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APPROVED

KINDER MORGAN

INTERIM MEASURES CONSTRUCTION COMPLETION REPORT

El Paso Merchant Energy-Petroleum Company
Former El Dorado Refinery
El Dorado, Kansas

May 2013

MWH

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CONSTRUCTION COMPLETION REPORT

FORMER EL DORADO REFINERY
EL DORADO, KANSAS

Prepared for

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May 2013

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SECTION 1

INTRODUCTION

This report presents details of construction completion activities associated with Interim Remedial Measures (IRM) that have been performed at the El Paso Merchant Energy – Petroleum Company (EPME-PC), El Dorado Refinery located in El Dorado, Kansas (Site). The IRM construction activities were conducted over an approximately three-year period in accordance with three Kansas Department of Health and Environment (KDHE) approved Designs:

- MPA Grading, Sewer, and Basin Design Report (MWH, April 2010)
- Final (100%) Water Treatment Design (MWH, April 2011)
- Final (100%) Wastewater/Stormwater Pond Interim Measures Closure Work Plan/ Design (MWH, May 2011)

Correspondence with the KDHE regarding designs, project status reports, work plans, and reports associated with the IRM are included in Appendix B.

The following presents a chronology of events that have occurred subsequent to the approval of the IRM Designs by the Kansas Department of Health and Environment (KDHE). Implementation can be demonstrated with the initiation and completion of major tasks, associated milestones, and finalization of project goals:

- MPA Demolition Begins Summer 2010
    - Includes Sediment Removal from Marley and Spray Ponds
- MPA Site Grading Fall 2010
- MPA Landfarming Summer 2010 to Fall 2012
- MPA Basin Construction Fall/Winter 2010
    - Includes MPA Basin Interceptor Trench (Basin IT)
- MPA Channel Construction Winter 2010
    - Includes MPA Channel Interceptor Trench (Channel IT)
- Wetlands Water Treatment System Construction Summer/Fall 2011
    - Utilize NE Ponds for Water Treatment
    - Dewater West Ponds to receive Sediment
    - Dewater SE Pond for Temporary Water Treatment
    - Move SE Pond Sediment to West Oxidation Pond
    - Construct Temporary Water Treatment in SE Pond
    - Dewater North East Ponds to SE Pond
    - Move North East Pond Sediments to West Oxidation Pond
    - Convert North East Ponds to Stage 1 and Stage 2 Wetlands
    - Plant/Flood Stage 1 and Stage 2 Wetlands Fall/Winter 2011

    - Conduct Field Scale Stabilization Pilot Test December 2011
- Sediment Stabilization Spring/Summer 2012
    - Stabilize West Oxidation Pond March 2012 to July 2012
    - Stabilize AHA Pit Materials March to July 2012
    - Move AHA Pile Materials, Outer Pit Materials to West Ponds July 2012
    - Cap West Ponds August/September 2012
    - Install MPA Spring System August 2012
    - Convert SE Pond to Stage III Wetlands August/September/October 2012
    - Plant Stage III Wetlands November 2012
    - Seed Topsoil on West Pond Cap November 2012
    - Seed AHA Pit/STF Borrow Areas November 2012

1.1 SITE DESCRIPTION

The Site is located to the north of the City of El Dorado, Kansas. The Site is located in portions of Sections 26, 27, and 34, Township 25 South, Range 5 East, Butler County, Kansas. Figure 1-1 shows the Site location on a topographic map. The Site includes the former process area for the refinery (referred to herein as the Main Process Area, or MPA), vacant property to the west (referred to herein as the Asphalt Handling Area, or AHA), Wetlands Treatment Area and closed/capped West Pond to the east, and the former tank farm located due south of the refinery (referred to herein as the South Tank Farm, or STF). The West Branch Walnut River (WBWR) defines the northeastern boundary of the Site. The Site does not include the adjacent Pester Burn Pond Superfund site, which is located north of the wastewater/stormwater ponds.

North Topeka Street and a residential area are located to the east of the STF. Vacant land abuts the western boundary of the Site and the Site is bounded to the south by residential and commercial properties. A Site layout is shown on Figure 1-2.

1.2 SITE HISTORY

The El Dorado Refinery was constructed in 1917 for the Pester Refining Company (Pester). Petro Atlas purchased the refinery in 1958, and within six months, sold the refinery to American Petrofina Oil and Chemical Company (Fina). Fina owned the refinery and surrounding property between 1958 and 1977. In 1977, Pester purchased the property from Fina and continued to operate the refinery until filing Chapter 11 bankruptcy on February 25, 1985. The crude unit and most of the other operational units were shut down in March 1985.

On April 10, 1986, Coastal Derby Refining Company purchased the land and equipment at the refinery from Pester, excluding the Burn Pond. At that time, the major process units at the refinery included crude oil distillation, hydrodesulfurization, catalytic reforming, fluid catalytic cracking, hydrofluoric (HF) alkylation, and Residual Oil Supercritical Extraction (ROSE).

The refinery produced regular and unleaded gasoline, #2 fuel oil, #6 fuel oil, propane, and asphalt. Refining operations at the El Dorado Refinery began in 1917 and ceased in 1993, but an asphalt blending operation continued until September 2004. EPME-PC operated a stormwater treatment facility at the Site.

In November 2004, EPME-PC voluntarily began demolition of the El Dorado refinery production facilities. The refinery facilities were demolished between 2004 and 2006. Administrative buildings, maintenance facilities, many utilities, and numerous foundations remained on-site until the start of MPA Grading activities described further below.

1.3 REGULATORY BACKGROUND

Previous investigations at the Site began in 1986 when Sunbelt Environmental Management, Inc. (Sunbelt) of Oklahoma City, Oklahoma was retained by Pester. Sunbelt performed a Site investigation and field study of Pester's production facilities for the KDHE. Results of this investigation/study were presented in the report *Preliminary Field Summary for Investigation of The Pester Refining Company at El Dorado, Kansas*, prepared by Sunbelt Environmental Management, Inc. and Mid West Analytical Labs, Inc., March 1987.

In response to Consent Order Number 03-E0021 between EPME-PC and the KDHE, Shaw Environmental, Inc. and Brown & Caldwell were retained to perform an investigation for the Site. The results of this investigation are presented in the report *First Phase Comprehensive Investigation Report for the Coastal El Dorado Refinery, El Dorado, Kansas*, prepared by Brown & Caldwell and Shaw Environmental, Inc., January 22, 2004 (Phase I Report).

MWH Americas Inc. (MWH) was retained by EPME-PC in August 2004 to prepare a work plan for a second phase investigation (Second Phase Investigation). The plan, *Final Work Plan for Second Phase Environmental Investigation, El Dorado Refinery, El Dorado, Kansas* (MWH, 2005a), was approved by the KDHE on March 22, 2005. The Second Phase Investigation was conducted during 2005, and a report *Second Phase Environmental Investigation Report, El Dorado Refinery, El Dorado, Kansas* (MWH, 2005b) was submitted to KDHE on October 15, 2005. KDHE approved the report in a letter dated January 12, 2006.

A work plan for the Third Phase Environmental Investigation was submitted to the KDHE in September 2006. The purpose of the Third Phase Investigation was to address additional characterization needs identified in the *Second Phase Environmental Investigation Report, El Dorado Refinery, El Dorado, Kansas* (MWH, 2005a) and in subsequent related correspondence. The Third Phase Environmental Investigation was conducted in 2007 and 2008 and was detailed in the report *Third Phase Environmental Investigation Report, El Paso Merchant Energy-Petroleum Company, El Dorado Refinery, El Dorado, Kansas* (MWH, 2009a). KDHE approved the report in a letter dated October 29, 2009. A semi-annul groundwater monitoring program was also approved by the KDHE in this same letter. Sampling at the Site is currently conducted on a Semi-annual basis in accordance with KDHE's approval.

A baseline ecological risk assessment report *Draft Final Baseline Ecological Risk Assessment* (BERA) (URS, 2011) for the AHA and MPA portions of the Site was approved by the KDHE-BER via a letter dated July 6, 2011. A Final BERA for the STF and West Branch Walnut River (WBWR) portions of the Site was submitted to the KDHE in March 2012 and approved by the KDHE in a letter dated March 28, 2012. A comprehensive Human Health Risk Assessment (HHRA) for the entire Site was submitted to the KDHE on February 24, 2012 and approved by the KDHE in a letter dated March 9, 2012.

1.4 INTERIM REMEDIAL MEASURES OVERVIEW

From 2010 through 2012, EPME-PC performed a series of Interim Remedial Measures (IRM) to facilitate closure of the Site's wastewater treatment ponds by December 31, 2012. The wastewater treatment pond closure date was required by the KDHE Bureau of Water (BOW) as set forth in the National Pollutant Discharge Elimination System (NPDES) Permit conditions for the Site. The IRM activities completed during 2010 through 2012 included:

- Main Process Area (MPA) demolition, grading, and landfarming,
- MPA stormwater basin and product recovery system design and construction,
- Water treatment system design and construction,
- Asphalt Handling Area (AHA) closure design and implementation,
- Wastewater treatment pond closure design and implementation.

Each of these IRM activities is detailed further in the sections that follow.

SECTION 2

MPA DEMOLITION, GRADING, AND LANDFARMING

The MPA demolition IRM activities began with mobilization of the demolition contractor Remedial Construction Services, L.P. (RECON) in July 2010. A project kick-off meeting with EPME-PC, MWH, and RECON occurred on July 20, 2010.

Primary construction activities conducted during the first stage of the project from July 2010 through March 2011 included:

- Facility and Structure Demolition and Abandonment
  - Subsurface Structures,
  - Demolition of existing MPA Buildings,
  - Abandonment of non-essential monitoring wells,
  - Concrete and building debris removal and processing,
  - Concrete crushing, and
  - Health, safety, and waste management.

- MPA Grading Plan Implementation
  - Consolidation of lead-impacted soil,
  - MPA landfarming,
  - Grading of the MPA, including drainage swales,
  - MPA drainage channel construction,
  - MPA Channel Interceptor Trench (IT) construction, and
  - Health, safety and waste, management.

- MPA Basin Construction
  - MPA Basin construction,
  - MPA Basin IT construction, and
  - Health, safety and waste, management.

Throughout the MPA, most of the existing concrete materials above grade and within the top approximately two feet of the existing ground surface were demolished, loaded, transported, crushed, screened, and stockpiled for use in the constructed wetlands, as rip-rap armor in MPA channels, and as road base on the access road and equipment pad area. During the project approximately 13,650 cubic yards of concrete was crushed and re-used on-Site.

Other Site debris, including but not limited to, debris from administration building demolition, asphaltic materials, non-concrete posts and bollards, rebar, and railroad beams and ties were removed to approximately two feet below final ground surface and salvaged or disposed at licensed off-site disposal facilities. Two roll off boxes of asphalt impacted soil were disposed of as special waste at Waste Management's Rolling Meadows Facility in Topeka, Kansas.

Asbestos containing material was disposed of as special waste at Brooks Landfill in Wichita, Kansas. Construction debris was disposed of at the Butler County C&D Landfill, and general refuse was disposed of at the Butler County Municipal Solid waste Landfill. Metal debris (e.g., rebar, bollard posts, fence material, metal buildings, etc.) was recycled at All-Metal Recycling of Wichita, Kansas and/or Cornejo & Sons of Wichita, Kansas. Special waste authorization and disposal tickets are included in Appendix C.

2.1 FACILITY AND STRUCTURE DEMOLITION AND ABANDONMENT

Subsurface structures, such as process and stormwater piping, conveyed infiltrating groundwater and stormwater to the stormwater ponds. Since the ponds were to be removed, abandonment of the associated conveyances was required. In addition, for both grading for stormwater drainage and to facilitate future remedial action, remaining aboveground structures were removed.

2.1.1 Subsurface Structures

Subsurface structures were abandoned by soil or grout plugging of exposed openings, pressure grouting of pipes to the extent possible, or removal. Most subsurface utilities were abandoned during July and August 2010. Other subsurface utilities were not abandoned until encountered in later project stages. Subsurface Structures are depicted on the Subsurface Drawing (Sheet 4 of 26) from the *MPA Grading, Sewer, and Basin Design Report* (MWH, 2010a).

Storm Sewers: Access points to storm sewers were cleaned out and plugged with compacted soil backfill. The storm sewer passing under the railroad right-of-way between SS-N-DR-1 and SS-N-O-2 was not pressure grouted to continue stormwater drainage from the railroad right of way. However, with the installation of the MPA Channel, plugging and abandonment of feeding structure SS-N-I-3, and local re-grading, stormwater from the site no longer flows to this crossing.

Process Sewers: Each access structure and vault for the former refinery process sewers was cleaned of debris and waste material. The access point was then backfilled with a low slump, non-shrink grout to the top of the highest pipe. Grout was rodded, vibrated, or hand packed into place to minimize air voids. The 18-inch process line under the railroad right of way between PS-CB-1 and PS-CB-2 was grouted utilizing cement trucks to rapidly fill the upgradient box (PS-CB-2) with grout. Once grout flowed into PS-CB-1, additional grout was placed within PS-CB-2 and within PS-CB-1 bringing grout up to within 3 feet of the surface. The upper 3-foot sections of both structures were then broken, demolished, and removed to at least 24 inches below grade.

Fire Protection System: The fire protection system was pressure grouted to the extent possible using the existing hydrants as injection points. Grout was pumped into the system until it was observed exiting nearby hydrants or until the location no longer accepted grout. The pump house and associated large diameter piping located near the former Polishing Pond (now

Stage 1 Wetlands Pond) in the former Stormwater Ponds Area was demolished as part of the abandonment of the fire protection system and the pump house intake line was terminated at the pond bank.

Other Structures: Two abandoned underground tanks (UST #1 and UST #2), two small steel tanks (UN-BX-N and UN-BX-S) and one wet well (FWW #1) were removed. A third underground tank was originally thought to exist near UST #2; however, no other USTs were encountered during demolition and site-grading and MPA Basin excavation activities. Water that was contained in the USTs was processed through the water treatment system on Site. The empty tanks were crushed and recycled along with other metal debris from the Site.

2.1.2 Existing MPA Buildings Demolition

Prior to demolition, the demolition contractor performed a survey of existing structures to determine if hazardous substances were present at concentrations that would pose a threat to workers or the environment.

The following hazardous materials were assessed during the survey:

- Asbestos containing material (ACM) – for example, in floor tiles, mastic, insulation, pipe wrapping, etc.
- PCBs – for example, in caulking material in buildings constructed or remodeled between 1950 and 1978.
- Lead – for example, lead-based paint in buildings.
- Mercury – for example, in fluorescent light bulbs and in switches, controls and thermostats.

Identified hazardous materials were abated prior to proceeding with full-scale demolition. Demolition, removal, and disposal of all materials were completed in accordance with all Federal and State laws. Copies of the Hazard Assessment Reports completed by RECON (work performed by subcontractor's ACM and ISI) are included in Appendix D.

Electric services leading to the buildings were de-energized, disconnected, and rerouted as required prior to demolition.

Twelve remaining buildings, shown on Existing Conditions Sheet 2 of 22, Appendix A.), were demolished. These buildings consisted of metal frame, concrete masonry units (CMU, cinder block), and brick structures. Debris from building demolition were recycled, salvaged, or disposed of at appropriate licensed off-site disposal facilities. Material receipts including bills of lading and weight tickets provided by RECON are included in Appendix C.

2.1.3 Abandonment of Monitoring Wells

Prior to MPA Grading and Demolition activities all non-essential wells located within the construction area were plugged and abandoned (P&A) in accordance with applicable KDHE rules and regulations by a State of Kansas licensed well driller, as approved by the KDHE. A listing of wells to be P&A was provided to the KDHE in the *MPA Grading, Sewer, and Basin Design Report* (MWH, 2010a) and approved by the KDHE in a letter dated May 6, 2010. As MPA Grading and Demolition activities progressed several additional wells (TW-67, OW-16, SB-09, etc.) were P&A because they were determined to be directly in the way of construction activities. Some of the additional P&A wells were within foundations of large structures, within water channels, or otherwise located where the well could not be worked around and surface protection maintained. Two of the P&A wells, TW-67 and OW-27, were subsequently replaced at the request of the KDHE. Well abandonment forms (WWC-5Ps) were completed for each of the abandoned monitoring wells and submitted to the KDHE.

2.1.4 Concrete Demolition

Beginning in July 2010, concrete materials within the top approximately two feet of the existing ground surface were first demolished and broken apart sufficiently to load and transport to a concrete rubble stockpile located near the center of the MPA. Large concrete slabs and blocks within the concrete stockpile were further reduced in size with a track-hoe equipped with a large hydraulic hammer, to allow machine crushing. Large pieces of re-bar (reinforcing steel rods) and other embedded scrap metal were segregated from the crushed concrete and recycled along with other metal piping and structural steel obtained from Site demolition activities. Removal of concrete to two feet below ground surface facilitated grading and landfarming of the MPA.

Beginning in late October 2010 concrete rubble was crushed, and stockpiled as recycled crushed concrete (RCC). Cornejo and Sons provided the on-site concrete crusher, screening equipment, and operating personnel. RCC was later used on-site in the constructed wetlands as rip-rap armor in the MPA channels and as road base on the access road and equipment pad area. Screening of the RCC was required to remove fines from the wetlands drainage media primarily placed in Stage 1 Wetlands composed of ¾- to 1-½-inch grain size crushed RCC. RCC wetlands drainage media was also utilized within the MPA Basin IT and MPA Channel IT as drainage gravel medium. RCC Fines were also utilized as permeable granular (sand type) backfill for setting pre-cast concrete structures when needed, and as backfill around large rock and broken concrete placed in the former Primary Pond, beneath the eventual west pond cap.

All of the RCC produced from the concrete crushing was utilized on-site. Costs incurred to produce RCC for aggregate use was partially offset by the lack of expenditures to acquire aggregates off-Site. The RCC also provided a beneficial use for the material on-site that would otherwise have required management as a construction waste material.

Visually impacted concrete material, general construction waste, and soils that were mixed with asphalt or otherwise visually impacted were stockpiled separately from the concrete. On January 5, 2011, EPME-PC submitted the *Work Plan for On-Site Management of Asphalt-Impacted Soil Material* to the KDHE detailing proposed handling alternatives for asphalt impacted soil encountered during the MPA Grading and Demolition activities. The KDHE approved the proposed plan in a letter dated January 25, 2011. Two roll-off boxes of asphaltic material were disposed of at a KDHE-approved disposal facility as special waste in accordance with the approved plan. Other impacted soil was combined with the AHA Pit material, placed in the west oxidation pond, stabilized, and capped.

2.2 MPA GRADING

MPA grading activities conducted during the project established the grades within the MPA and allowed the installation of the features necessary to manage stormwater run-off for long-term soil stability. MPA grading also provided a suitable base for landfarming of petroleum-impacted soils and for collection of stormwater for sediment control and pollution prevention. Although some grading activities began as MPA demolition activities were occurring, primary large-scale grading began after the MPA demolition was complete in early October 2010. Grading of the MPA continued as the MPA Basin was excavated in November 2010 (discussed in Section 3.1) with clean cut soils utilized as fill across the MPA to fill low areas and to cap lead-containing soils which were consolidated to the southern end of the MPA. Impacted soils from the MPA Basin were spread, disked, and landfarmed as outlined in the MPA Landfarm Operation and Closure Plan (see Section 2.3 below). Once landfarm closure was obtained, the landfarm surface was seeded establishing a vegetated final MPA graded surface.

Grading of the MPA created a ground surface slope of between approximately 1 and 3 percent from the west side of the MPA to a main drainage channel (MPA Channel) constructed on the east side of the MPA. The slope of the MPA is consistent with expected pre-development slopes and natural conditions observed within the surrounding area. Terraces were also installed to slow stormwater flow and convey stormwater to the MPA Channel. The MPA Channel conveys stormwater to the area of the former Spray and Marley Ponds (current MPA Basin). These two ponds had sediment removed (October and November 2010), were over-excavated (November and December 2010), and were eventually transitioned into the MPA Basin.

Management of stormwater flows was a critical design feature of the MPA Grading Plan. Reducing overland flow distances reduces rilling and resultant sediment loads. Terraces (or drainage swales) were designed and installed to intercept overland flow in a configuration that reduces overland flow distance to 300 feet or less. The terraces were typically designed and installed with a slight downgradient slope (0.5 to 1 percent) to control channel flow velocities. Terraces were designed and installed to discharge to the MPA Channel. During landfarming activities, rip-rap, rock checks, and silt fencing were used to manage erosion and/or siltation.

Two all-weather gravel roads were constructed across the MPA. These gravel roads use RCC fines for base granular material. The northern access road leads to a railroad crossing and the adjacent Pester site. The southern access road leads to the former API/Stormwater Ponds (now West Pond Cap/Wetlands Area). Two two-foot diameter, 25-foot long corrugated aluminum culverts were installed where the northern access road crosses the MPA Channel. Three similar culverts were installed at the lower southern access road crossing as designed to accommodate the expected stormwater flows.

The MPA channel conveys stormwater flow from the MPA and portions of the AHA to the north end of the MPA Basin. A grouted rip-rap down chute manages stormwater entry into the MPA Basin. Two grouted rip-rap down chutes were also installed to prevent erosion along the western bank, where terraces intercept the MPA Basin.

2.3 MPA LANDFARM

In July 2010, EPME-PC submitted an Application to Landfarm Petroleum Contaminated Soils without a Permit (Application) and an associated Landfarm Operating and Closure Plan (LO&C Plan) for the Site. These documents outlined the plan for landfarming petroleum-impacted soils anticipated during completion of the MPA Grading and construction of the MPA Basin and associated trenches. Landfarming the impacted soils provided a beneficial on-Site alternative to remediate impacted soils precluding the need for off-Site transport and disposal at a landfill facility. The KDHE-Bureau of Waste Management (BOWM) approved the Application and associated LO&C Plan in a letter dated October 11, 2010.

The 2010 construction activities at the Site included demolition, removal, and crushing of concrete structures; grading; and installation of a stormwater basin and associated drainage channel and groundwater interceptor trench within the MPA. As these activities were carried out, petroleum-impacted soil was excavated, placed, and spread out in approximately eight-inch thick lifts within four landfarm cells. The final aerial extent of the landfarm cells totaled approximately 26.6 acres. Based on an average depth of eight inches, the total volume of soil placed within the landfarm was 28,632 cubic yards (cy) which exceeded the 22,800 cy estimate provided in the LO&C Plan. The additional impacted soil was primarily encountered during excavation of the MPA channel and associated trench, as well as during the removal of concrete structures and MPA grading. The LO&C Plan proposed three landfarm cells; however, a total of four cells were constructed to accommodate the extra soil and the need to utilize some of the areas within the MPA for material staging which precluded the use of that space for landfarming purposes.

Soil was placed in the landfarm from June 2010 through February 2011 as approved by the KDHE. Final preparation of the landfarm, which included heavy discing and ripping, and removal of all concrete, rock, and debris larger than six-inches in diameter, was completed in early July 2011. Baseline sampling of the landfarm was conducted over several days between July 11, 2011 and August 16, 2011. Prior to sampling, the landfarm was subdivided into 95 grids measuring approximately 110 feet by 110 feet. The sample locations were then located in

the field using global positioning system (GPS) survey equipment prior to the initiation of sampling.

Samples were submitted by standard chain-of-custody (COC) procedures to Accutest Laboratories in Orlando, Florida, a Kansas Certified laboratory, and analyzed for the parameters listed in the table below.

Constituent	Treatment Objective (mg/kg)*
Benzene	0.168
Ethylbenzene	65.6
Toluene	51.2
Xylenes	809
Total Petroleum Hydrocarbons as Gasoline Range Organics	79.3
Total Petroleum Hydrocarbons as Diesel Range Organics	7,830

*KDHE RBSL for Non-Residential Scenario Soil-to-Groundwater Pathway (Revised October 2010)

Given the months-long gradual accumulation of landfarm soil, only two samples from the baseline sampling event exceeded treatment objectives established in the KDHE-approved LO&C Plan. At sample location C-21, TPH-GRO was detected at 232 mg/kg and at sample location B-18, TPH-GRO was detected at an estimated value of 342 mg/kg. No other samples or analytes exceeded closure criteria.

In a letter dated September 16, 2011, EPME-PC requested closure of the landfarm cells that met the closure criteria. The KDHE-BOWM approved this request in a letter dated October 17, 2011. The closed landfarm cells were seeded in November 2011 using the Kansas Department of Transportation (KDOT) modified warm season mix specified in the approved MPA Grading, Sewer, and Basin Design Report (MWH, 2010a).

Periodic discing of the remaining landfarm cells was conducted during the fall of 2011 and summer of 2012. Field soil screening was performed at the two remaining landfarm cells between discing events using a photoionization detector (PID). Once PID results were sufficiently low, indicating closure criteria may be met, soil samples were collected and submitted to Accutest Laboratory in Orlando, Florida. Cell C-21 met closure criteria on October 19, 2011 and cell B-18 met closure criteria on October 24, 2012.

EPME-PC requested final closure of landfarm cells B-18 and C-21 in a letter dated November 27, 2012. The KDHE-BOWM approved closure of the final two landfarm cells, and therefore closure of the entire landfarm, in a letter dated November 28, 2012. The closed landfarm cells, B-18 and C-21, were seeded using the Kansas Department of Transportation (KDOT) modified warm season mix.

SECTION 3

MPA BASIN AND CHANNEL

3.1 MPA STORMWATER BASIN AND GROUNDWATER INTERCEPTOR TRENCH

A new basin for Site stormwater management was installed in the former location of the Marley and Spray Ponds with construction beginning in October 2010. Excavation continued through December 2010 finishing on the northern end of the MPA Basin where bedrock was encountered shallower than anticipated. Excavators equipped with hydraulic hammers were used to finish the excavation in the northern end of the MPA Basin. Underlying the MPA Basin, separated by an impermeable liner is a groundwater and product interceptor and collection system.

3.1.1 Location and Size

The location of the new MPA Basin, shown in Figures 1-3 and 3-1, afforded several advantages. It was a topographical low spot within the MPA which reduced grading volumes. Spray and Marley Pond Sediment removal, which is described in Section 3.1.2, provided sizable excavations as a starting point for constructing the MPA Basin. Additionally, the selected MPA Basin location already had existing infrastructure (power and pipeline connections) for water management. The MPA Basin footprint was also desirable in that it overlaid the primary area and greatest thicknesses of LNAPL observed at the Site. Excavation of the MPA Basin and more specifically the MPA Basin Interceptor Trench (IT) located beneath the MPA Basin stormwater storage would provide immediate and long-term product recovery immediately at and down gradient of the primary LNAPL area of the MPA.

The approximately 800-foot long by 150-foot wide MPA Basin can store approximately 4.6 million gallons of stormwater. One reason for the large linear basin is to increase recovery of LNAPL from the MPA Basin IT. The larger basin size also allows for storage (versus just retention) of larger storm events. During grading and landfarming of petroleum-impacted soil, this provided for improved stormwater suspended solids settling and subsequent stormwater treatment, when required. Past and potential future uses of the water include dust control, supplemental water to fill or maintain wetland water levels, and possibly irrigation.

The MPA Basin was built with 4:1 (horizontal:vertical) side slopes, except in the north western corner where bedrock was encountered and where slopes were slightly steepened to reduce bedrock excavation. These side slopes allow for safe ingress and egress by trespassing humans and animals as well as equipment access for removal of retained sediments. The MPA Basin has an average depth of 15 feet and a bottom width of approximately 12 feet.

3.1.2 Excavated Materials

Petroleum-impacted sediments from the Spray and Marley Pond floors and sidewalls were excavated, loaded into trucks, and placed within the West Oxidation Pond for stabilization. These sediments were then incorporated into the pond closure design as presented in the *Final (100%) Wastewater/Stormwater Pond Interim Measures Closure Work Plan/Design* (May 2011a). Excavated soils from the MPA Basin were spread across the identified areas MPA-1 and MPA-2 and landfarmed. The current site plan of the MPA is shown in Figure 3-1.

3.1.3 Stormwater

Stormwater inflow into the MPA Basin is primarily concentrated where the MPA Channel enters the north end of the basin and where terraces enter the west side of the basin. Down chutes were constructed at these locations. The large primary down chute located at the north end of the MPA Basin was finished in January 2011. This down chute was constructed utilizing large sized rip-rap grouted in place, as detailed within *MPA Grading, Sewer, and Basin Design Report* (MWH, 2010a). Smaller secondary down chutes were installed along the west side of the MPA Basin. These secondary down chutes drain less acreage and therefore experience smaller stormwater flows during equal storm events. The construction of the secondary down chutes is similar to the primary chute only with smaller grouted rip-rap and with-out the upper and lower concrete cutoff walls. These down chutes can be seen on the record (as-built drawings in Appendix A.

An emergency overflow channel is located at the south end of the MPA Basin. This channel outlet flows whenever the MPA Basin water level exceeds approximately 1297 feet AMSL to an existing drainage channel south of the MPA. When the MPA Basin is nearly full (2 feet below the emergency overflow - elevation 1295 feet AMSL), controlled gravity drainage is possible through a 12-inch PVC pipe to the same drainage channel. If extra retention/storage is required, a valve can be closed to fill the basin to 1297 feet. The MPA Basin can also be dewatered to provide increased stormwater surge storage with a pump. The MPA Basin Stormwater (SW) sump is equipped with a 15 horsepower (hp) 480V/3P low head/high volume pump (Appendix E) capable of approximately 1,200 gallons per minute (gpm). The pump is controlled by adjustable high (on) and low (off) level ball floats. A separate high level alarm float can be set to activate a telemetry/internet/messaging system (Mission Communications SCADA, Appendix E) to alert maintenance personnel whenever pre-set alarm levels are exceeded.

During construction activities, stormwater was pumped from the MPA Basin utilizing portable engine driven pumps. These pumps directed accumulated stormwater or groundwater east to the water treatment system. Pumping was variable, based on the stage of excavation and magnitude and timing of precipitation events. During MPA Basin construction, a 4-inch HDPE discharge pipeline was directed to the Primary Pond. From there stormwater/groundwater

circulated around the treatment ponds before being discharged under the existing NPDES permit.

3.1.4 Groundwater

A groundwater and LNAPL interceptor trench (IT) was excavated at the bottom of the MPA Basin, extending into the upper weathered bedrock until solid bedrock was encountered. RCC gravel (¾- to 1½-inch diameter) was used to backfill the excavation and factory slotted 6-inch corrugated HDPE flexible piping with a geotextile fabric outer wrap was installed within the granular backfill. The piping was installed with a constant uniform slope from the north end to a saddle fitting attached to a 12-inch Schedule 80 PVC sump equipped with a 4-inch submersible Grundfos Pump. A 4-inch HDPE pipeline (PL) connects the GW pump to the groundwater treatment system located east of the railroad. Multiple clean-outs are located along the length of the HDPE PL at approximately 300 foot intervals and are located on both sided of the RR crossing.

A 60 mil HDPE textured (spiked) flexible membrane liner (FML) was installed to separate the groundwater and stormwater systems within the MPA Basin. Beneath the liner a 200 mil Geonet® grid was placed on prepared clay soil of the MPA Basin to help protect the liner from punctures and to provide a drainage path for groundwater and LNAPL. RECON subcontracted Hallaton, Inc. for the liner installation. Submittals and specifications for the liner materials were provided by Hallaton, Inc. and are included in Appendix E. The FML was covered with a protective layer of RCC fines.

3.1.5 Armoring

In November 2012, a vegetated soil cover and ring of rip-rap were placed along the MPA Basin side-slopes to dissipate wave energy at the water line and stabilize the RCC fines that were used to cover the FML.

3.2 MPA CHANNEL

The MPA Channel was constructed in January 2011. Its original purpose was solely to collect stormwater and direct the water to the MPA Basin; however, during construction groundwater seeps and product sheens were observed; therefore, similar to the MPA Basin, the channel was partially underlain with a groundwater collection system to avoid mixing of impacted groundwater and stormwater.

3.2.1 MPA Stormwater Channel

The MPA Channel is located along the eastern edge (topographical low side) of the MPA and is sloped towards the MPA Basin. The MPA Channel is lined with rip-rap obtained from RCC produced during on-site crushing and screening. Terraces crossing the MPA direct stormwater

to the MPA Channel which then flows to the MPA Basin. Concrete head and tail walls bound a heavy rip-rap/grouted down chute where the MPA Channel enters the MPA Basin.

3.2.2 MPA Channel Interceptor Trench

During the excavation of the MPA Channel, impacted soils and groundwater seepage along the channel sidewalls and bottom were observed. To address the shallow impacted groundwater, a MPA Channel Interceptor Trench (Channel IT) was constructed during mid- to late-January 2011. The Channel IT was constructed under the southern approximately 1,700 feet of the MPA Channel. Along the centerline of the MPA Channel, a trench excavation was completed until competent bedrock was encountered – This occurred at a depth of 8 feet at the southern end of the MPA Channel (Station 0+00) and became progressively shallower to the north until at Station 9+00, bedrock was just below the planned bottom of the MPA Channel. The Channel IT was terminated at Station 12+00. MPA Channel stations are shown on Sheet 6 of 26 of the MPA Grading, Sewer, and Basin Design Report (MWH 2010a).

A perforated 4-inch diameter corrugated HDPE drainage piping was placed within the gravel backfill in the Channel IT trench as it was excavated at the center of the MPA Channel. The 4-inch drainage piping was sloped to gravity drain and was connected to a clean-out for the MPA Basin IT groundwater/product collection system. This permitted gravity draining of the Channel IT to the Basin IT, which is dewatered at the MPA Basin GW Sump. Similar to the MPA Basin groundwater IT, the Channel IT was backfilled with a central core of RCC screened gravel (¾- to 1½-inch diameter) extending from the bottom of the trench to the bottom of the MPA Channel. The Channel IT was covered with 200 mil geo-grid (Geonet®), 40 mil HDPE textured FML, and a 12-ounce non-woven geo-textile to product the FML during placement of the small RCC rip-rap which provides the final surface of the MPA channel.

3.3 MPA BASIN STARTUP

The MPA Basin start-up occurred in January 2011. Until this time, stormwater pumping andwater level management was performed using temporary portable pumps. Temporary power was then used to power the permanent stormwater and groundwater pumps, with initial start-up and testing of the GW sump using the permanent power supply and the designed electrical controls (including the run-dry controller) on February 18, 2011. The SW pump was ready for routine operation on February 28, 2012 after the pump and flow system had been tested. However, lack of precipitation resulted in limited discharge of stormwater throughout the remainder of the construction period.

SECTION 4

WATER TREATMENT AND API-OWS AND EAST PONDS CLEAN CLOSURE

4.1 BACKGROUND

During the period of refining operations prior to 1993, the refinery utilized a waste water treatment plant WWTP to treat refinery wastewaters prior to discharge to the WBWR under a National Pollution Discharge Elimination System (NPDES) permit. The WWTP consisted of the following units in series from upstream to downstream: (1) stabilization tank, (2) American Petroleum Institute (API) oil-water separator (OWS), (3) surface aerated primary pond, (4) west and east oxidation ponds, (5) an equalization basin, (6) clarifier, (7) one diffused aeration pond, (8) unaerated former aeration ponds No. 2 and No. 3, and (9) a final polishing pond with discharge to a NPDES Outfall. After refining operations ceased, the WWTP was used to treat non-refining waste waters from the asphalt operations, and from stormwater runoff. In 2006 an interim remedial measures Seep Interceptor Trench (Seep IT) was installed on Site between the eastern wastewater/stormwater ponds and the WBWR to capture impacted groundwater and light non-aqueous phase liquid (LNAPL) and to prevent seepage into the WBWR. Water and LNAPL from the Seep IT was added to the process flow beginning with startup of the Seep IT in December 2006.

On June 9, 2010, the KDHE-BOW issued a new NPDES permit for the facility which required closure of the Site's existing WWTP by December 16, 2012. The requirement for closure of the WWTP was carried forward in a permit update issued by the KDHE-BOW on July 5, 2011. On June 30, 2010, EPME-PC submitted a *Water Treatment Alternative Evaluation* (MWH, 2010b) to the KDHE which compared various options to treat site groundwater that included wetlands, air stripping, activated carbon, and ex-situ chemical oxidation. Given the effectiveness, life-cycle-costs, and other criteria, a three-stage wetlands water treatment system was selected.

On April 27, 2011, EPME-PC submitted the *Final (100%) Water Treatment Design* (MWH, 2011b) (Water Treatment Design) to the KDHE. The KDHE approved the Water Treatment Design in a letter dated June 30, 2011. A temporary treatment system was constructed in the SE Pond in June/July of 2011 to treat water after the NE Ponds were drained, clean-closed, and converted to Stage 1 and Stage 2 wetlands. Groundwater-only treatment was transitioned to the Stage 1 and 2 wetlands in July 2011 with backup treatment in the SE Pond through early spring 2012 when the SE Pond was drained and converted to Stage 3 wetlands with all construction complete by November 2012.

4.2 TEMPORARY WATER TREATMENT

Construction was staged to permit continued treatment of pond and stormwater from the ponds during pond closure activities and of groundwater from the Seep IT and later MPA Basin IT systems.

4.2.1 NE Ponds: June through July 2011

The first activity conducted as part of pond closure was dewatering the SE and West Ponds. Water from these ponds was pumped to the NE Ponds in June 2011 for treatment and discharge. This water was already partially treated and the NE ponds were the polishing stages of the historical system; therefore, NPDES discharge limits were readily obtained.

4.2.2 SE Pond: July 2011 through May 2012

The NE Ponds were schedule to be converted into Stage 1 and Stage 2 wetlands in 2011; therefore, after the SE Pond was dewatered; sediment was removed - the pond clean closed; and water treatment equipment was installed, water flow was shifted to the SE Pond.

4.2.2.1 SE Pond Clean Closure. Once the SE Pond was fully dewatered, exposed pipes and conduits were removed or plugged isolating the SE Pond for future temporary water treatment use. Sediment was removed from the SE Pond in June 2011 and placed into the West Oxidation Pond so a temporary treatment system could be constructed in the pond. Sediment removal and construction of the temporary treatment system are shown in Photographs 15 through 20 included in Appendix F.

4.2.2.2 Aeration Pipe. Eight-inch diameter HDPE piping was connected to an existing 8-inch diameter steel effluent pipe from the existing 60-hp blower. The 8-inch diameter HDPE pipe was positioned in the SE Pond and split to two 8-inch diameter HDPE legs. The pipes for each leg were supported on and strapped to concrete cinder blocks every 10 feet. A steel rail counter-weight was placed inside each pipe section and the sections were welded to prevent air loss. Each leg of the aeration pipe extended east-west approximately 100 feet. Approximately 30 ⅛-inch diameter holes were drilled in each foot of the aeration pipe at a minimum spacing of approximately 3 inches and the end of the pipes were capped. A pressure relief valve was installed to prevent blower deadheading as the pipes dewatered upon start-up.

4.2.2.3 Baffle Curtain. Once the aeration pipes were installed, water from the NE Pond was directed to the SE Pond so it could be filled up to its former operating level. After the SE Pond was filled, a floating PVC baffle curtain (Curtain) was installed approximately 50 feet south of the north berm in an east to west alignment across the SE Pond. The Curtain was pre-fabricated with chain weights to seal it to the pond floor and was custom cut to match the shape of the SE Pond. A 2-foot square window (opening) was pre-cut into the Curtain on the east end to direct water out of the area to the open portion of the SE Pond. This Curtain

isolated the north treatment area, enhancing treatment by focusing water flow through each treatment zone.

4.2.2.4 Booms, Aerobic Pond, and Contingency Filter. Several arced rows of sorbent booms were also placed near the SE Pond inlet pipe as a precaution to capture any trace free product in the flow stream. The remainder of the SE Pond (i.e., portion south of the curtain) was constructed to provide a large laminar flow area for settling of suspended solids (from stormwater) and biodegradation of non-volatile petroleum contaminants (from groundwater) prior to discharge from the southern end of the Pond. A sand media filter was staged near the discharge point as a precaution; however, use of the filter was never required.

4.2.2.5 Replacement Outfall 001X1. A new primary outfall for treated groundwater was installed in the SE corner of the SE Pond concurrent with the SE Pond treatment enhancements described above. To install the 4-inch diameter HDPE discharge pipe, an approximately 250-foot long trench was excavated from the SE corner of the SE Pond to the WBWR bank. A hydraulic control structure (HCS 3) that would become part of the future wetland system was installed in the SE bank of the SE Pond for metering and sampling purposes. The 4-inch diameter discharge pipe was connected to HCS 3 on the inlet and outlet sides. Extra temporary pipe was extended in the SE Pond through the berm and a rope attached so the inlet could be raised or lowered to control the water level. The excavation was then backfilled and compacted.

4.2.2.6 Groundwater Flow Reconfiguration. As part of the conversion of the existing API-OWS into a mineral precipitation and settling basin (PSB) for the future wetland system, the Seep IT piping was reconfigured to bypass the API-OWS and tee into piping from the MPA Basin IT. Valving and temporary connections were completed to route all groundwater and product through a temporary above-ground OWS. Product gravity flowed into a temporary above-ground storage tank (AST). Existing pond piping was then used to convey the groundwater to the SE Pond.

4.2.2.7 System Operation. Water was pumped from the NE ponds to the SE Pond in late July 2011. This permitted dewatering of the NE Ponds for conversion to wetlands and filled the SE pond to initiate biological treatment of the groundwater. All groundwater flow from the temporary oil water separator (OWS) was also diverted to the SE Pond. As discussed in later sections, stormwater and residual water from the eastern ponds were also passed through this treatment system during construction. The SE Pond operated successfully, with all parameters remaining within NPDES permit limits throughout its operational life, which ended in May 2012.

4.3 WETLANDS PRE-TREATMENT SYSTEM

With the temporary system operational, the API-OWS bypassed, and NE Ponds dewatered, work began on the permanent wetlands-based system. A pre-treatment system prior to the permanent water treatment wetlands was required to remove entrained free product (LNAPL) and precipitating minerals. The pre-treatment system consists of the following components:

- Underground Oil Water Separator (UOWS)
- Cascade aerator
- Precipitation settling basin (PSB)

Each component is described below in the order of process flow, which is slightly different than the order of construction, much of which was completed in parallel:

4.3.1 Underground Oil Water Separator (UOWS) (installed October 2011)

The UOWS was not part of the original Water Treatment Design. It was added as a precaution because the volume of LNAPL free product initially recovered from the MPA Basin Interceptor Trench (Basin IT) exceeded expectations during the early weeks of operation. MWH prepared a technical memorandum which evaluated several options for addressing the LNAPL being recovered from the Basin IT. This was submitted to the KDHE on July 27, 2011 and the recommendation to add an UOWS was approved by the KDHE in a letter dated August 4, 2011. The UOWS was installed in October 2011.

Product information for the installed 2,000-gallon HighGuard tank by Highland Tanks is included in Appendix E. Groundwater/product from the Basin IT is pumped to the north end of the UOWS. Valving and piping were configured so groundwater from the Seep IT (historically little to no product) could be directed through or bypasss the UOWS, discharging directly to the Cascade Aerator. Groundwater from the Seep IT was initially discharged directly to the Cascade Aerator to reduce the process stream flowing through the UOWS and the resulting rate of mineral fouling of the UOWS. However, in March 2013, LNAPL was observed in the Seep IT flow stream and flow was redirected through the UOWS. Currently, all recovered groundwater and LNAPL is processed through the UOWS. The LNAPL is recovered and stored in the UOWS (400 gallon product capacity) until it is recycled off-site. Water gravity flows through the UOWS discharges into the north end of the Cascade Aerator.

4.3.2 Cascade Aerator (installed October 2011)

The Cascade Aerator is located immediately south of the UOWS. Water discharges at the top of the structure then cascades down two parallel 20-foot long, 24-inch diameter corrugated high-density polyethylene (HDPE) pipes placed on a 4:1 slope. The cascading action adds oxygen to oxidize and precipitate iron and strips carbon dioxide to initiate precipitation of saturated calcium carbonates. Both ends of the pipes are open and accessible to promote air flow through the pipe and facilitate cleaning.

4.3.3 API-OWS Clean Closure and Precipitation/Settling Basin Construction (installed August-October, 2011)

The oxygenated water discharges from the Cascade Aerator into the 80,000-gallon concrete Precipitation and Settling Basin (PSB) where groundwater minerals precipitate and settle rather than in the wetland soil, gravel, and piping. The PSB is the repurposed former refinery American Petroleum Institute (API) oil water separator (OWS). Product from the API-OWS was placed into a frac tank for staging and sampling. Upon receipt of the analytical results, the product was transferred to four DOT-approved Totes which were subsequently picked up on September 7, 2011 by Clean Harbors and removed from the Site for recycling. Minimal volumes of sediment were removed from the API-OWS, and these were placed in the West Oxidation Pond for stabilization with other pond sediments. The API-OWS was cleaned in August 2011 using a high pressure hot water sprayer. The internal equipment and structures were removed and all pipe openings into/out of the API-OWS were grout-sealed. Existing rails were reconditioned and/or replaced where needed and overhead lighting was added to complete the conversion into the Precipitation and Settling Basin. Weir structures originally designed for oil-water separation were left in place; therefore, the PSB also serves as an auxiliary OWS.

4.4 ENGINEERED WETLANDS GROUNDWATER TREATMENT SYSTEM

The Engineering Wetlands Groundwater Treatment System (Wetlands System) was constructed within the footprints of the former eastern ponds over two construction seasons beginning in June 2011. The Wetlands System consists of the following components:

- Stage 1 Wetlands – Vertical flow for contingency anaerobic operation
- Stage 2 Wetlands – Horizontal activated aerated aerobic operation
- Stage 3 Wetlands – Horizontal flow passive wetland operation

Each of these components is described in more detail in the following sections:

4.4.1 Stage 1 and 2 Surface Preparation – NE Pond Clean-Closure

Stage 1 and Stage 2 were constructed in the former NE Ponds area. As discussed in Section 4.2.2, all water treatment flow was diverted around this area during the summer of 2011. Once both ponds were dewatered, sediment was removed in August 2011 and placed into the West Pond for future stabilization. The sediment was pushed with a bulldozer into a central swale within each pond located adjacent to the central berm where it was scooped up with an excavator and transferred to the West Pond. The sediment was removed from the NE Ponds in this manner until clean native soil was encountered. The mostly rock berm between the Polishing Pond and Aeration Pond #3 was demolished and placed into the Primary Pond for fill. Concrete material from the other Aeration Ponds and Equalization Basin were also demolished and placed into the Primary Pond. Once the Ponds were cleaned of sediment and concrete

structures, additional clean soil was added to achieve future wetland grades. Bentonite was then added to the base of each stage and was tilled in to assure even mixing into the soil. The soil was then compacted per design specifications. The bentonite was added as a precaution to reduce water seepage from the wetlands. Once the bentonite was in place, the berm between Stage 1 and Stage 2 was installed and the final elements of the ponds were installed as described below.

4.4.2 Stage 1 Wetlands Construction (July-October 2011)

Stage 1 was constructed as a deep bed vertical flow system. Stage 1 construction activities are depicted in Photographs 27 through 30 in Appendix F. Four-inch diameter HDPE pipe perforated with drilled 0.75-inch holes was placed in a grid on the floor then covered with RCC ranging in size from 0.75-inch to 1.5-inch. Clean-outs were installed at each end of the lateral pipe sections (8 total sections). A 4-inch main header was installed parallel to the southern berm to convey the water to the outflow structure, hydraulic control structure one (HCS 1), located on the southeast corner of Stage 1. HCS 1 was originally to be installed in the center of the pond berm between Stage 1 and Stage 2; however, it was moved to the southeast corner of Stage 1 so the large construction equipment required for installation could be set up and operated safely. Stage 1 is currently operated at a normal water depth of 3 feet above the RCC for a total depth of 4.5 feet plus an additional 2 feet of freeboard. The surface water area under normal operating conditions is approximately 1.2 acres.

The high surface area of the RCC installed in Stage 1 provides a beneficial substrate for bacteria (bio-film) and granular media water filtering that enhance sorption and degradation of heavier components with some ability to remove chlorinated volatile organic compounds (CVOCs). Additional COC removal occurs through volatilization from the open water surface. CVOCs are not a Site-related contaminant, but rather are entrained in Seep IT groundwater from a non-related site to the south. Stage 1 can be converted to an anaerobic wetland system to more efficiently remove CVOCs should entrainment of groundwater and/or concentrations of CVOCs from that site require. This would be completed by installing a foot or more of organic-rich much and seeding with appropriate wetland plants. Stage 1 will remain an unvegetated open water surface until/unless such conversion is required.

4.4.3 Stage 2 Wetlands Construction (July-November 2011)

Stage 2, which is approximately 2.2 acres in size, was constructed as a shallow surface flow oxidizing wetland. Stage 2 construction activities are depicted in Photographs 31 through 34 of Appendix F. Effluent from Stage 1 is discharged evenly across the north end of Stage 2 through a 4-inch influent header. Water then flows laterally from north to south. Four 25-foot wide aeration zones were installed across Stage 2 with an aeration line placed every 2 feet across the bottom and covered with 6 inches of RCC. The maximum water depth within the aeration sections is 3 feet. The primary purpose of the aeration sections is to add oxygen to promote biodegradation.

An Atlantic AB-800 Regenerative Blower with an 8.5-hp motor (Appendix E) was installed at the southeast corner of Stage 2 and began operation in November 2011, providing aeration to Stage 2. However, after operating for approximately nine months, the blower failed due to excessive heat. Modifications were made to the blower housing to provide additional ventilation and a new Rotron DR 808 Blower with a 7.5-hp motor (Appendix E) was installed in October 2011. Operation of the aeration system is not required at all times, but it provides a factor of safety (FS).

Three shallow (1.5-foot deep water) planting "benches" measuring approximately 110-foot wide were constructed between the aeration zones of Stage 2. Topsoil previously removed from the pond berms, was placed on each of these benches to provide a suitable substrate/rooting media for the wetlands plants. The rooting media was prepared by leveling and then tilling to loosen up the soil, providing aeration and favorable rooting conditions for the plants. The benches were planted in October and November 2011 by Applied Ecological Services (AES). Over 14,000 total plants were installed in the benches including Iris Virginica Shrevei (2150); Sagittaria Latifolia (5250); Scirpus Atrovirens (2,500); Sprtina Pectinata (4,163).

4.4.4 Stage 1 and 2 Flooding and Start-up (October-November 2011)

Immediately upon planting the benching in October and November of 2011, water from the temporary SE Pond pretreatment system was pumped into Stage 2 to flood the benches and provide an insulating cover over the plants and seeds for winter. All groundwater flow that was previously directed to the SE Pond was simultaneously directed through the wetland pretreatment system (discussed in Section 4.3) and discharged into Stage 1. The plants remained submerged (and dormant) throughout the winter season. The water level in Stage 2 was lowered in April 2012 (water pumped to Stage 1) to increase plant exposure to sunlight - plants began to emerge as shown in Appendix F (Photograph 34). Once the plants began growing, the water level in Stage 2 was increased to normal operating depth.

Drought conditions resulted in low groundwater extraction rates and increased evaporative loss from the wetlands surface. This combined with the large volumes of water required to fully fill the Stage 1 and Stage 2 wetlands, precluded the need for NPDES discharge throughout the winter and into 2012. If discharge had been required, the SE Pond was left in place to provide contingency treatment. As discussed in Section 4.4.7, water from Stage 1 and 2 was required to fill Stage 3 and to elevate water levels for winter protection in late 2012; therefore, no wetlands discharge continued until April of 2013.

4.4.5 Stage 3 Surface Preparation

The removal of sediment and clean closure of the SE Pond in preparation for installation and operation of the temporary water treatment system is discussed in Section 4.2.2.1. The SE Pond remained in use throughout 2011 and "on standby" into 2012 for contingency treatment of the partially complete wetland effluent if required. At the beginning of the 2012

construction season, the SE Pond was fully dewatered and discharge from Stage 2 (HCS 2) was diverted directly to HCS 3 through temporary above-ground piping. Samples were collected from Stage 2 prior to diverting discharge to HCS 3 to ensure discharge was within permit limits; however, as previously discussed, discharge was never required during this period.

The SE Pond remained dewatered for much of the 2012 construction season as work focused on stabilization of sediments in the West Ponds. Soil from its floor and berms was used to complete the soil cap over the West Ponds. Then in the fall of 2012 the pond bottom was shaped/graded to Stage 3 design contours, and similar to Stage 1 and 2, bentonite was incorporated into the soil and compacted as a precaution to reduce the potential for seepage.

4.4.6 Stage 3 Wetlands Construction (August-November 2012)

Stage 3 was constructed similarly to Stage 2, with the exception that no blower, aeration piping, or gravel was installed. Stage 3 construction activities in the fall of 2012 are depicted in Photographs 35 through 38 of Appendix F. This final stage provides an additional factor of safety for possible treatment of flow rates and/or concentrations higher than design conditions. It also permits more frequent shut-off of the Stage 2 blower, simplifying O&M. Influent and outflow structures were installed to control the water level. A limited amount of seeding was completed in Stage 3 during the fall of 2012 and it is anticipated that the area will develop naturally with little or no ongoing maintenance.

4.4.7 Operations and Maintenance (On-going)

The official Wetlands System O&M period began with the completion of Stage 3 during the fall of 2012. A Draft O&M Manual was provided in the Water Treatment Design to help clarify how the wetlands are envisioned to be operated. The proposed plan for monitoring will focus on internal wetland-specific monitoring. Effluent monitoring will be separate as established in the NPDES permit. Preparation of a Combined, Site-Wide O&M Manual is planned for the Wetlands Operating System and other systems such as the MPA Basin, Seep IT, and MPA Spring Mitigation Systems. The Combined, Site-Wide O&M Manual will be submitted to the KDHE upon completion.

SECTION 5

ASPHALT HANDLING AREA CLOSURE

The Asphalt Handling Area (AHA) was formerly utilized for managing asphalt and other materials (both solids and liquids) generated during the refinery operation. The AHA included a former disposal pit and approximately sixteen piles of stabilized asphalt. One of the most likely remedies anticipated to be part of the Site-wide Corrective Action Study (CAS), Corrective Action Decision (CAD), and Corrective Action Plan (CAP) process, involved excavation, stabilization and consolidation of the material in the West Ponds. Since the NPDES permit required pond closure prior to the CAS/CAD/CAP schedule, EPME-PC decided to complete the AHA remedial action as part of the IRMs.

5.1 AHA RELATED WORK PLANS

In September 2009, EPME-PC submitted a treatability work plan entitled *Chemical Stabilization and Solidification Treatability Study Work Plan for the Asphalt Handling Area, El Dorado Refinery, El Dorado, Kansas* (MWH, 2009b) (Work Plan). The KDHE approved the Work Plan in a letter dated September 29, 2009. On September 3, 2010, EPME-PC submitted the *Asphalt Handling Area Stabilization and Solidification Treatability Study for the former El Dorado Refinery in El Dorado, Kansas* (MWH, 2010c) to the KDHE. The KDHE approved the Report in a letter dated October 11, 2010. On May 2, 2011, EPME-PC submitted the *Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan and Design* (MWH, 2011b) (AHA Design) to the KDHE. The KDHE approved the AHA Design in a letter dated May 25, 2011.

5.2 AHA PIT MATERIAL AND BACKFILL

Excavation and stabilization of the AHA pit material was originally scheduled to occur after all Pond Sediment had been stabilized. However, during stabilization of the Pond Sediment, the AHA pit material was tested to see if it could be added to some of the lower viscosity Pond Sediment to achieve better stabilization performance. EPME-PC requested approval to modify the Pond Sediment Stabilization mix so the AHA Pit material could be used as a stabilizing agent during a conference call with KDHE on April 15, 2012 and in a follow up letter dated May 3, 2013. The KDHE verbally approved the request during the April 15, 2012 conference call and official approval was provided in a letter dated May 9, 2013. RECON began excavating the AHA Pit material and transporting it to the West Pond where it was added to the Pond Sediment and stabilized. The total volume of AHA pit material that was transported to the West Pond was approximately 14,350 Cubic Yards.

On the western margin of the previously assumed extent of the AHA Pit, impacted soil was first observed and then confirmed through excavation to continue below grade. The additional AHA

Pit material was excavated and placed into the West Pond were it was stabilized with the Pond Material in the same manner as other AHA Pit material. Due to the increased size of the AHA Pit excavation, monitoring well MW-120 was plugged and abandoned on October 27, 2012. The berms surrounding the AHA Pit were made up of material similar to the AHA Piles. This material was also placed in the West Pond with the other AHA Pile material and used in the same manner as the AHA Piles (see Section 5.4 below).

Originally, the AHA Pit berms were to be used to backfill the pit; however, since the berms were impacted as described above and the excavation size increased significantly, soil was borrowed from former tank berms in the south tank farm (STF). Prior to removing any soil from the STF, a sampling plan was presented to the KDHE in an email dated July 12, 2012. The KDHE approved the sampling plan via email the same day. Soil sampling was performed on July 13, 2012 prior to excavation of the STF borrow soil. Analytical results for the soil samples were below the KDHE RBSLs for the non-residential soil pathway for each of the analyzed parameters. Analytical results are provided in Appendix G.

5.3 MPA ASPHALT IMPACTED SOIL

In addition to the AHA pit material, approximately 700 cubic yards of asphalt impacted soil, discovered during 2010 MPA Grading activities, was also incorporated with the AHA pit material for stabilization. In a letter work plan dated January 5, 2011, EPME-PC requested KDHE approval to incorporate this material in with the AHA pit material since it was similar in composition. KDHE approved this request in a letter dated January 27, 2011.

5.4 AHA PILES

Approximately 16 piles of previously stabilized asphalt material (AHA Piles) were also excavated from the AHA in 2012. The AHA Piles were excavated and transported to the West Pond and placed on top of previously stabilized pond sediments and used as fill and to shape the slope of the subgrade of the soil cover. The AHA piles were excavated until visual observation confirmed that clean soil had been encountered and all asphaltic material had been removed. The total volume of AHA pile material that was transported to the West Pond was approximately 15,000 Cubic Yards.

Once the AHA Piles were removed and the AHA Pit was filled and graded, the AHA was seeded with a KDOT seed blend as provided the AHA Design. The current site grades of the AHA are shown in Figure 5-1.

SECTION 6

WASTEWATER POND CLOSURE

When operated as a refinery and/or asphalt blending operation, the facility contained ten ponds including two stormwater ponds on the west side of the railroad tracks and eight wastewater/stormwater treatment ponds (WWTP) on the east side of the railroad tracks as follows:

- Ponds East of Railroad Tracks
  - Marley
  - Spray
- Pond West of Railroad Tracks
  - Primary
  - West oxidation
  - Southeast
  - Equalization Basin
  - Aeration #1
  - Aeration #2
  - Aeration #3
  - Polishing

The WWTPs located east of the railroad tracks were bounded by railroad tracks to the west and south, and the WBWR to the east and the Pester Site to the north. The WWTP were generally divided along a north/south line by a long central pond berm; as such the ponds east and west of this berm were also collectively identified as east and west side ponds.

The WWTP served various water storage and treatment functions during site operations. Prior to site closure many of the ponds received various process-related wastewater streams. After refining operations ceased, the WWTP was still used to treat non-refining waste waters from the asphalt operations, stormwater runoff, and interim measure trench (Seep IT) groundwater.

Pond sediments were characterized in 2008 during the Third Phase Investigation to assess chemical content and waste status. The pond sediment characterization program was based on the KDHE Bureau of Environmental Remediation (BER) guidance concerning verification sampling of non-hazardous industrial wastewater ponds (KDHE, 2005).

6.1 TREATABILITY TESTING (APRIL 2009-SEPTEMBER 2010)

A treatability study for the pond sediments was performed in 2009 through 2010 to evaluate the efficacy of using chemical stabilization to stabilize the sediments. The treatability study was performed following the *Wastewater/Stormwater Pond Chemical Stabilization and Solidification*

Treatability Study Work Plan for the El Dorado Refinery El Dorado, Kansas (MWH, 2009c) submitted to the KDHE in April 2009 and approved by the KDHE in a letter dated May 1, 2009.

6.1.1 Contaminant Leachability

The pond sediments were sampled and analyzed for the modified Skinner List compounds, Total Petroleum Hydrocarbons (TPH), Gasoline Range Organics (GRO), and TPH-Diesel Range Organics (DRO). In addition, a select group of pond sediment samples were also analyzed for Toxicity Characteristic Leaching Procedure (TCLP), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals

A review of TCLP data from the pond sediment samples indicated that contaminant levels in the sediments did not fail TCLP levels as defined by 40 CFR Part 261.24 Table 1. A review of the data also indicated that, in general, the West Oxidation Pond, Spray Pond, and Equalization Basin had the highest concentrations of organics in the sediment; and therefore, stabilization/solidification of sediments from these ponds was the focus of the treatability study. The pond sediment analytical data was presented initially within the *Third Phase Environmental Investigation Report* (MWH, 2009a).

6.1.2 Stabilization Treatability Study

Treatability studies were performed to develop stabilization mixtures that would effectively stabilize the Pond sediment. The objectives included:

- Develop an initial Solidification/Stabilization (S/S) formula for the former Pond sediments and document the selection of Site-specific mix components;
- Report the resulting physical properties of the design-mix and the cured monolith; and
- Verify regulatory compliance and that the Site-specific performance requirements of the material are met at the bench-scale.

Performance criteria were developed for establishing the stabilization mixtures. For a complete description of the criteria, and of the stabilization study results, please refer to the *Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan/Design for the Former El Dorado Refinery, El Dorado, Kansas* (MWH 2011a). The performance of the mix designs were evaluated based on their ability to meet the performance criteria set forth for two physical characteristics (UCS and permeability) and one chemical characteristic (SPLP). Immersion resistance was also checked to verify long term S/S under saturated conditions.

Pond Sediments: For the pond sediments, addition of 1.5% Portland cement and 13.5% blast furnace slag by weight was recommended. This mix was found to be protective of groundwater, resulting in a high strength, low permeability monolith, capable of significantly reducing leachability of constituents in the sediment.

AHA Pit Material: A similar stabilization study was performed for the AHA pit material, with the selected mix of 20% solids (2% Portland, 18% Slag) and 35% moisture (based on dry weight of pit material). Closure of the AHA is detailed in Section 5.

6.2 SEDIMENT STABILIZATION (2012)

As discussed in Sections 4.2.2 and 4.4.1, all sediment from the east ponds was consolidated into the West Oxidation pond and the east ponds were cleaned closed. Similarly, as discussed in Section 3.1.2, all sediment was removed from the Spray and Marley Ponds so those ponds could be clean-closed, and that sediment was also consolidated in the West Oxidation pond. The result was all pond-related sediment was located in the West Oxidation Pond by the end of 2011, and it was stabilized in 2012.

6.2.1 Field-scale Stabilization Trials

Pond stabilization began with field-scale trials of 4 stabilization cells in December 2011. These field-scale pilot test cells were located in the north east corner of the West Oxidation pond and were performed to:

- Determine the field-scale performance of the stabilization process with respect to the established design criteria; and
- Evaluate the efficacy of using Grade 100 furnace slag (FS) in replacement of the originally proposed Grade 120.

Initial mix ratios optimized during lab testing indicated that a 15% mixture (13.5% blast furnace slag and 1.5% portland cement) added by weight of sediment would provide desired performance. Sediments were stabilized during the pilot testing using this mixture of Portland cement and both a Grade 100 (Holcim) and a Grade 120 (LaFarge) furnace slag. Results of the field-scale testing were presented in the *Wastewater/Stormwater Pond Sediment Stabilization Field-Scale Test Results* letter report dated February 28, 2012 to KDHE. Very similar performance was observed. This report and the use of Grade 100 FS were approved by the KDHE in a letter dated March 13, 2012.

Mixing methods selected by RECON during the pilot test and ultimately utilized for all S/S on-site utilized a large hydraulic excavator with a standard excavation bucket to repeatedly mix and stir the sediments incorporating the admixture throughout the mix cell.

6.2.2 Pond Sediment Stabilization (March 2012 – June 2012)

Following successful field trial testing, full-scale stabilization began in March 2012. Stabilization was performed in grids sized to match the primary delivery method, pneumatic semi-trucks with 25 ton loads of blast furnace slag. Widths of the cells were adjusted based on the measured

depth of the sediment present within the grids to keep the 1.5% Portland and 13.5% Slag ratios respective to sediment weight. The grids are shown in Figure 6-2. Stabilization was completed on June 29, 2012. Approximately 55,000 cy of sediment was stabilized within the West Oxidation Pond.

6.2.2.1 Binder Material Placement. Blast furnace slag trucks were unloaded directly into each cell using dust separation boxes and separation cyclones. Portland cement was also delivered in bulk by pneumatic trucks; however, the trucks unloaded into covered earthen berm silos located near the mixing cells. Since lesser amounts of Portland cement was needed, the dry Portland cement powder was transferred by the count of clean excavator buckets (of known volume) placing onto the cell(s) prior to mixing.

6.2.2.1 Northern Sediment Stabilization Mix. Full-scale stabilization began in the northern portion of the West Oxidation pond. A significant portion of the material stabilized in this section originated from the Marley and Spray Ponds and consisted of a mixture of excavated soil and pond sediment. This sediment material was stabilized using the 15% by weight stabilization mixture presented in the Design consisting of 1.5% PC and 13.5% furnace slag (FS). The stabilization process yielded very good results with most 3-day hand penetrometer values exceeding the 15 pounds per square inch (psi) stipulated in the Design.

6.2.2.1 Southern Sediment Stabilization Mix. In April 2012, as stabilization progressed south across the West Oxidation Pond, the consistency of the sediment changed to predominantly pond sediment (very little soil) and appeared more sludge-like with a higher moisture content. Cells with sludge-like sediment that were stabilized exhibited lower 3-day hand penetrometer values than those prior cells with a mixture of sediment and soil. This was most likely attributable to the higher than expected moisture content in the cells.

To address the changes, addition of dryer soil-containing materials was recommended by EPME-PC to reduce the moisture content of the mix and improve the strength of the final mix. Clay within the soils would also act as a binding agent and further reduce permeability of the stabilized mix. The AHA Pit material and asphalt-impacted soil stockpiled in the Main Process Area was identified as suitable material to be used for this purpose. Mixing these materials with the sludge-like sediment in the West Oxidation Pond also eliminated the need to add water during stabilization of the APA Pit material, resulting in beneficial synergies for both materials.

A letter was prepared and submitted to the KDHE dated May 3, 2012 titled *Use of Asphalt Handling Area Pit Material for the Wastewater/Stormwater Pond Sediment Stabilization*. The change in stabilization process was approved by the KDHE in a letter dated May 9, 2012. Within the letter provided to KDHE are results of field testing that demonstrated effective mix results with a revised mixture of 25% AHA Pit material, 5% PC (increased from 1.5%), and 13.5% FS (same as original design). This revised mix design was tested in cells D2, E1, E2, and E3 with favorable results. The remainder of the West Oxidation Pond was stabilized with

the revised mix design with final stabilization occurring on June 29, 2012. Analytical results associated with sediment stabilization verification sampling are provided in Appendix G.

6.2.2.2 Upper Deck. Grid mixing proceeded initially (March 28, 2012) only from the north end (from Row A, then Row B, etc). Mixing continued row by row from north to south as mixing methods and abilities were increased it became desirable to increase the total cells available each day. Therefore on May 15, 2002 another stabilization front was opened up when stabilization also began at the south end. Stabilization then proceeded more efficiently working concurrently from two directions - (north to south) and from Row BC (south to north) until meeting in the middle of the pond. As the rows came together, extra sediment was pushed out in front of them and the sediment depths increased, necessitating excavation/removal of some sediment. This was then stabilized separately in three "upper deck" cells (UD-1, UD-2, and UD-3) located above the previously stabilized sediments. Once stabilized, the material was spread across other previously stabilized cells to prevent interference with the planned West pond Cap. For a visual representation of the grids as mixed, see Figure 6.2

6.2.3 Construction Quality Assurance Plan

A Construction Quality Assurance (CQA) Plan was developed to define the procedures to ensure that the stabilization of the pond sediments and AHA pit material and construction of the proposed soil cover met the design specifications provided in the Closure Plan. It incorporated the concepts of quality assurance and quality control to provide a written procedure for implementing the interim measures according to the design. The CQA details are provided within the *Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan/Design* (MWH 2011a) (Plan). Hand penetrometer testing, permeability, unconfined compressive strength (UCS), and SPLP testing were performed at intervals as specified in Table 19 of the Plan. UCS and permeability results from the sediment stabilization work are included in Table 6-1 of this report. Stabilization mix volumes, cell dimensions, and hand penetrometer test results are presented in Table 6-2 of this report. In addition, visual test pits were excavated through the stabilized monolith on a periodic basis. All weekly reports provided by RECON and MWH and daily field notes are included as Appendix H.

6.3 WEST PONDS COVER

Upon completion of sediment stabilization, the stabilized material surface was fine graded to prevent ponding of water on the stabilized monolith. The subgrade for the soil cover consisted of stabilized sediment and asphalt handling material and over-excavated soil. These materials were placed last to form the geometry of the soil cover. In order to reduce settlement, the AHA Piles were placed and compacted to form a solid non-yielding subgrade. The material was placed in one-foot maximum lifts and compacted with a minimum of four passes of a standard soil compacting vibrating roller. A 2-foot thick clay cover and 6 inches of organic soil were placed over this to reduce infiltration and to support a healthy vegetation cover capable of

removing water efficiently from the wetted soil column as well as to provide a physical separation layer to the stabilized waste.

6.3.1 Cover Specifications

The soil cover design considered many properties necessary for the proposed soil cover to achieve its performance goals. The *Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan/Design* (MWH 2011c) identified important soil property values and tolerances to be achieved during cover construction, as well as procedures to be followed for measuring those properties. A summary of these are other key parameters is provided in Table 19 of the referenced report.

6.3.2 Clay Cover (July 30, 2012 to September, 18 2012)

Two feet of compacted clay were placed over the waste and compacted to 95 percent standard Proctor. Cover soil was obtained from nearby borrow sources, including the East Pond berms, Bottom of the SE Pond, and STF berms. To ensure a uniform density within the specified tolerance, soil densities were measured for each 8-inch lift of soil during cover construction. Areas not achieving the specified density were amended, reworked, and the compaction corrected before the lift was covered. Soil densities were measured by Terracon Consultants, Inc. (Terracon) using a field standard nuclear penetrometer. For laboratory soil testing, samples were collected using a core sampler fashioned with a six-inch Shelby tube. Terracon reports of field testing and soil permeability of the compacted clay layers are included in Appendix I. The geotechnical testing of the soil samples in the laboratory was conducted by Tolunay-Wong (TWE) under contract with RECON. These results are included in Appendix I.

6.3.3 Topsoil Cover (September 18, 2012 to November 1, 2012)

Topsoil to establish a vegetative layer was obtained from the same borrow sources (East Pond berms, SE Pond bottom, and STF berm soils) as much of the compacted clay layer. Soils from the SE Pond bottom that had higher silt content was preferentially excavated and used for topsoil. Higher clay content soils from the STF Berm soils were then utilized (with Bentonite admixing) as clay liner soils under Stage 3 wetlands. These topsoil sources had previously shown to be capable of establishing vegetation as evidenced by the presence of grass cover along the existing berms. However, after placing the 6-inch silty topsoil layer, a soil amendment (cow manure) was added at approximately 15% to 25% by volume and disked in to enhance soil fertility and vegetative growth. Soil compaction was minimized following disking (during seeding and mulching activities), which controls to a large extent the soil tilth. Final pond area grades are shown in Figure 6-1.

6.3.4 Seeding/Mulching (October 30, 2012 to November 9, 2012)

The cap was officially completed after the final topsoil amendments were tilled into the soil on October 24, 2012. The cap was seeded with an approved DOT warm season seed mix and was finished on November 9, 2012.

6.3.5 Surveyed Surfaces

Surveys were performed of the top of the stabilized sediment, and at the top of 3 lifts of compacted clay (approximately 8 inches per lift, 2 foot overall thickness). A final survey was performed once the final topsoil/manure layer was placed and seeded (as-built survey). These drawings are attached as Appendix A.

SECTION 7

CONCLUSION

7.1 RESULTS

The primary goal of the 3-year (2010, 2011, and 2012) interim remedial measures was to take advantage of project synergies and opportunities for remedial actions before, during, and after the KDHE-required wastewater/stormwater pond closure. The wastewater/stormwater ponds were required to be closed by December 2012 per the NPDES Permit. The phased closure plan, treatment methods (landfarming and stabilization), and effective and robust groundwater and product recovery and treatment approach (trenches and wetlands) provide an effective and sustainable long-term solution for mitigating the primary environmental risks at the Site.

7.2 PATH FORWARD

Operations, maintenance, and monitoring (OM&M) of these interim systems is expected to continue throughout the ongoing groundwater monitoring, reporting, and studies that are part of the KDHE Cooperative Program. These IRM measures and their results will be incorporated into the KDHE CAS, CAD, CAP evaluation process that will identify and address remaining unacceptable risks at the Site. This process will begin shortly with the submittal of the annotated CAS outline to KDHE by June 2013.

SECTION 8

REFERENCES

MWH, 2005a. Final Work Plan for Second Phase Environmental Investigation, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, February, 2005.

MWH, 2005b. Second Phase Environmental Investigation Report, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, October, 2005.

MWH, 2009a. Third Phase Environmental Investigation Report, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, September, 2009.

MWH, 2009b. Chemical Stabilization and Solidification Treatability Study Work Plan for the Asphalt Handling Area, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company. September, 2009.

MWH, 2009c. Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Study Work Plan for the El Dorado Refinery El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, April, 2009.

MWH, 2010a. MPA Grading, Sewer, and Basin Design Report, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, April, 2010.

MWH, 2010b, Water Treatment Alternative Evaluation, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, June, 2010.

MWH, 2010c. Asphalt Handling Area Stabilization and Solidification Treatability Study, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, September, 2010

MWH, 2011a. Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan/Design, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, May, 2011.

MWH, 2011b. Final (100%) Water Treatment Design, El Dorado Refinery, El Dorado, Kansas. El Paso Merchant Energy-Petroleum Company, April, 2011.

URS, 2011. Draft Final Baseline Ecological Risk Assessment, El Dorado Refinery, El Dorado, Kansas, June, 2011.

Table 6-1
Stabilization Sample Tracking Log
El Paso Phase II Stabilization Work
Former El Dorado Refinery, El Dorado, Kansas

Sample Date	Grid Location	Number of Samples Collected	Sample ID (ELDKS-GRDXX-MMDDYY)	Stabilization Volume Interval (cy)	Date Shipped to TWE (1000cy)	Date Shipped to Accutest (4000cy)]	TWE - UCS Results	TWE- Permeability Results	Accutest Results Received? / Lab ID Number	Comments
04/02/12	A8	3	ELDKS-GRDA8-040212	1,000	04/05/12	NA	75psi-7 day			
04/04/12	B8	4	ELDKS-GRDB8-040412	2,000	04/10/12	NA	35psi-7 day	8.7 E-07		
04/11/12	D5	1	ELDKS-GRDD5-041112	3,000	04/23/12		125psi-28 day			
04/11/12	D4	1	ELDKS-GRDD5-041112	4,000	04/23/12		130psi-28 day			
04/11/12	C7	1	ELDKS-GRDD4-041112	4,000	04/23/12		100psi-28 day			Hydraulic Conductivity
04/11/12	D6	1	ELDKS-GRDD6-041112	4,000		04/30/12			Y/F92630-1	Synthetic Leaching
04/11/12	D3	1	ELDKS-GRDD3-041112	5,000	04/23/12		35psi-28 day			
04/13/12	F6	1	ELDKS-GRDF6-041312	6,000	04/23/12		70psi-28day			
04/17/12	E2	6	ELDKS-GRDE2-041712		04/23/12	04/30/12	50psi-7 day	7.6 E-07	Y/F92630-2	Pilot Test
04/18/12	F2	1	ELDKS-GRDF2-041812	7,000	04/23/12		130psi-28 day			
04/19/12	G7	3	ELDKS-GRDG7-041912	8,000	04/23/12	04/30/12	130psi-28 day	8.0 E-08	Y/F92630-3	Synthetic/Hydraulic
04/20/12	G5	1	ELDKS-GRDG5-042012	9,000	04/23/12		80psi-28 day			
04/23/12	H2	3	ELDKS-GRDH2-042312	10,000	05/10/12		340psi- 28 day			
04/24/12	I7	3	ELDKS-GRDI7-042412	11,000	05/10/12		500psi-28 day			
04/25/12	J9	4	ELDKS-GRDJ9-042512	12,000	05/10/12	04/30/12	180psi-28 day	9.5 E-08	Y/F92630-4	Synthetic/Hydraulic/1,000CY
04/26/12	K4	2	ELDKS-GRDK4-042612	13,000	05/10/12		80psi-28 day			
04/27/12	L6	2	ELDKS-GRDL6-042712	14,000	05/10/12		195psi-28 day			
04/30/12	M10	1	ELDKS-GRDM10-043012	15,000	05/10/12		185psi-28 day			
05/01/12	N11	3	ELDKS-GRDN11-050112	16,000	05/10/12	05/29/12	170psi-28 day		Y/F93542-1	Synthetic/Hydraulic/1,000CY
05/07/12	O5	2	ELDKS-GRDO5-050712	17,000&18,000	05/10/12		120psi-28 day			
05/08/12	P3	1	ELDKS-GRDP3-050812	19,000	05/10/12		115psi-28 day			
05/09/12	P9	4	ELDKS-GRDP9-050912	20,000	05/10/12	05/29/12	455psi-28 day	2.0 E-07	Y/F93542-2	Synthetic/Hydraulic/1,000CY
05/10/12	Q5	1	ELDKS-GRDQ5-051012	21,000	05/23/12		75psi-28day			
05/11/12	R5	2	ELDKS-GRDR5-051112	22,000	05/23/12		275psi-28 day			
05/14/12	T1	1	ELDKS-GRDT1-051412	23,000	05/23/12		35psi-28 day			
05/15/12	T8	4	ELDKS-GRDT8-051512	24,000	05/23/12	05/29/12	140psi-28 day	4.9 E-07	Y/F93542-3	Synthetic/Hydraulic/1,000CY
05/16/12	U4	2	ELDKS-GRDU4-051612	25,000	05/23/12		145psi-28 day			
05/17/12	V8	1	ELDKS-GRDV8-051712	26,000	05/23/12		210psi-28 day			
05/18/12	W3	1	ELDKS-GRDW3-051812	27,000	05/23/12		70psi-28 day			
05/21/12	X4	4	ELDKS-GRDX4-052112	28,000	05/23/12	05/29/12	65psi-28 day	6.3 E-07	Y/F93542-4	Synthetic/Hydraulic/1,000CY
05/22/12	Y8	2	ELDKS-GRDY8-052212	29,000	05/31/12		80psi-28 day			
05/24/12	Z2	1	ELDKS-GRDZ2-052412	30,000	05/31/12		45psi-28 day			
05/24/12	Z3	1	ELDKS-GRDZ3-052412	31,000	05/31/12		80psi-28 day			
05/29/12	AA3	4	ELDKS-GRDAA3-052912	32,000	05/31/12	06/18/12	125psi-28 day	2.10E-06	Y/F94179-1	Synthetic/Hydraulic/1,000CY
05/30/12	AB5	1	ELDKS-GRDAB5-053012	33,000	06/11/12		195psi-28 day			
05/30/12	AB3	1	ELDKS-GRDAB3-053012	34,000	06/11/12		100psi-28 day			
05/31/12	AC4	1	ELDKS-GRDAC4-053112	35,000	06/11/12		95psi-28 day			
06/06/12	AE7	4	ELDKS-GRDAE7-060612	36,000	06/11/12	06/18/12	90psi-28 day	2.3 E-07	Y/F94179-2	Synthetic/Hydraulic/1,000CY
06/07/12	AF5	1	ELDKS-GRDAF5-060712	37,000	06/18/12		45psi-28 day			
06/07/12	AF7	1	ELDKS-GRDAF7-060712	38,000	06/18/12		50psi-28 day			
06/08/12	AI1	1	ELDKS-GRDAI1-060812	39,000	06/18/12		125psi-28 day			
06/12/12	AI6	1	ELDKS-GRDAI6-061212	40,000	06/18/12		55psi-28 day			
06/12/12	BABBBCAZ10	1	ELDKS-BABBBCAZ10-061212	41,000	06/18/12		85psi-28 day			

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Sample Date	Grid Location	Number of Samples Collected	Sample ID (ELDKS-GRDXX-MMDDYY)	Stabilization Volume Interval (cy)	Date Shipped to TWE (1000cy)	Date Shipped to Accutest (4000cy)]	TWE - UCS Results	TWE- Permeability Results	Accutest Results Received? / Lab ID Number	Comments
06/13/12	BABBBCAZ11	1	ELDKS-BABBBCAZ11-061312	42,000	06/18/12		45psi-28 day			
06/14/12	AK3	4	ELDKS-GRDAK3-061412	43,000	06/18/12	06/18/12	50psi-28 day	2.0 E-06	Y/F94179-3	Synthetic/Hydraulic/1,000CY
06/15/12	AN1	4	ELDKS-GRDAN1-061512	44,000	06/18/12	06/18/12	110psi-28 day	1.7 E-06	Y/F94179-4	Synthetic/Hydraulic/1,000CY
06/15/12	AL4	1	ELDKS-GRDAL4-061512	45,000	07/02/12		345psi-28 day			
06/15/12	AL5	1	ELDKS-GRDAL5-061512	46,000	07/02/12		45psi-28 day			
06/20/12	AP3	1	ELDKS-GRDAP3-062012	47,000	07/02/12		40psi-28 day			
06/20/12	AO8	4	ELDKS-GRDAO8-062012	48,000	07/02/12		40psi-28 day			Synthetic/Hydraulic/1,000CY
06/22/12	AR3	1	ELDKS-GRDAR3-062212	49,000	07/02/12		115psi-28 day			
06/22/12	AQ6	1	ELDKS-GRDAQ6-062212	50,000	07/02/12		75psi-28 day			
06/27/12	BABBBCAZ18	1	DKS-GRDBABBBCAZ18-0627	51,000	07/02/12		45psi-28 day			
06/27/12	AT6	4	ELDKS-GRDAT6-062712	52,000	07/02/12		70psi-28 day	1.1 E-06		Synthetic/Hydraulic/1,000CY
06/29/12	UD1	1	ELDKS-GRDUD1-062912	53,000	07/02/12		225psi-28 day			
06/29/12	AU6	1	ELDKS-GRDAU6-062912	54,000	07/02/12		175psi-28 day			

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TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
A1	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	1.6%	3	13.5%	25.8	13.3%	25.5	0%			
A2	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	1.6%	3	13.5%	25.8	13.7%	26.1	0%			
A3	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	1.6%	3	13.5%	25.8	13.1%	25.0	0%			
A4	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	1.6%	3	13.5%	25.8	13.0%	24.9	0%			
A5	18.5	20.0	9.0	3330	123	1.5	186.2	1.5%	2.8	1.6%	3	13.5%	25.1	14.1%	26.3	0%			
A6	18.5	20.0	9.0	3330	123	1.5	186.2	1.5%	2.8	1.6%	3	13.5%	25.1	15.0%	28.0	0%			
A7	21.0	20.0	8.5	3570	132	1.5	199.7	1.5%	3.0	1.5%	3	13.5%	27.0	13.5%	27.0	0%			
A8	21.0	20.0	9.5	3990	148	1.5	223.1	1.5%	3.3	1.3%	3	13.5%	30.1	11.7%	26.2	0%			
A9	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	1.7%	3	13.5%	23.6	14.9%	25.9	0%			
B1	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	2.4%	4.5	13.5%	25.8	20.3%	38.8	0%			
B2	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	1.6%	3	13.5%	25.8	13.9%	26.6	0%			
B3	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	1.6%	3	13.5%	25.8	14.2%	27.2	0%			
B4	20.0	20.0	7.0	2800	104	1.5	156.6	1.5%	2.3	1.9%	3	13.5%	21.1	17.2%	27.0	0%			
B5	30.0	20.0	7.0	4200	156	1.5	234.9	1.5%	3.5	1.3%	3	13.5%	31.7	11.6%	27.2	0%			
B6	30.0	20.0	7.5	4500	167	1.5	251.7	1.5%	3.8	1.2%	3	13.5%	34.0	10.9%	27.4	0%			
B7	25.0	20.0	7.5	3750	139	1.5	209.7	1.5%	3.1	1.4%	3	13.5%	28.3	12.9%	27.0	0%			
B8	30.0	20.0	7.5	4500	167	1.5	251.7	1.5%	3.8	1.2%	3	13.5%	34.0	10.8%	27.1	0%			
B9	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	1.7%	3	13.5%	23.6	15.4%	26.9	0%			
C1	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	2.4%	4.5	13.5%	25.8	20.8%	39.9	0%			
C2	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	2.4%	4.5	13.5%	25.8	21.4%	40.9	0%			
C3	31.1	20.0	5.5	3421	127	1.5	191.3	1.5%	2.9	2.4%	4.5	13.5%	25.8	21.1%	40.3	0%			
C4	40.0	20.0	5.5	4400	163	1.5	246.1	1.5%	3.7	1.2%	3	13.5%	33.2	10.9%	26.8	0%			
C5	40.0	20.0	5.5	4400	163	1.5	246.1	1.5%	3.7	1.2%	3	13.5%	33.2	10.6%	26.0	0%			
C6	42.5	20.0	5.5	4675	173	1.5	261.5	1.5%	3.9	1.1%	3	13.5%	35.3	10.2%	26.6	0%			
C7	42.5	20.0	5.5	4675	173	1.5	261.5	1.5%	3.9	1.1%	3	13.5%	35.3	10.0%	26.2	0%			
D-2	20.0	20.0	5.5	2200	81	1.5	123.0	1.5%	1.8	2.4%	3	13.5%	16.6	21.6%	26.6	0%			
D-1	20.0	20.0	5.5	2200	81	1.5	123.0	1.5%	1.8	2.4%	3	13.5%	16.6	21.6%	26.6	0%			
D0	20.0	20.0	5.5	2200	81	1.5	123.0	1.5%	1.8	2.4%	3	13.5%	16.6	21.9%	26.9	0%			
D1	15.0	20.0	7.5	2250	83	1.5	125.8	1.5%	1.9	6.4%	8	13.5%	17.0	20.4%	25.7	0%			
D2	15.0	20.0	7.5	2250	83	1.5	125.8	1.5%	1.9	6.4%	8	13.5%	17.0	22.2%	27.9	25%	31.5	23.8%	30.0
D3	20.0	20.0	5.5	2200	81	1.5	123.0	1.5%	1.8	2.4%	3	13.5%	16.6	21.5%	26.5	0%			
D4	40.0	20.0	5.5	4400	163	1.5	246.1	1.5%	3.7	1.2%	3	13.5%	33.2	11.0%	27.1	0%			
D5	40.0	20.0	5.5	4400	163	1.5	246.1	1.5%	3.7	2.4%	6	13.5%	33.2	11.0%	27.1	0%			
D6	42.5	20.0	5.5	4675	173	1.5	261.5	1.5%	3.9	1.1%	3	13.5%	35.3	10.4%	27.3	0%			
D7	42.5	20.0	5.5	4675	173	1.5	261.5	1.5%	3.9	1.1%	3	13.5%	35.3	9.9%	25.9	0%			
E1	27.0	20.0	5.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.2%	26.9	25%	41.5	18.1%	30.0
E2	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.4%	27.2	25%	41.5	18.1%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
E3	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.7	25%	41.5	18.1%	30.0
F-2	16.5	20.0	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	15.6%	25.8	25%	41.5	0.0%	0.0
F-1	16.5	20.0	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.2%	26.9	25%	41.5	0.0%	0.0
F0	16.5	20.0	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.7	25%	41.5	0.0%	0.0
F1	16.5	20.0	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.7	25%	41.5	18.1%	30.0
F2	16.5	20.0	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.7	25%	41.5	18.1%	30.0
F3	16.5	20.0	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.4%	27.2	25%	41.5	18.1%	30.0
F4	20.0	20.0	6.5	2600	96	1.5	145.4	1.5%	2.2	2.1%	3	13.5%	19.6	17.1%	24.9	25%	36.4	0.0%	
F5	22.0	20.0	6.5	2860	106	1.5	159.9	1.5%	2.4	1.9%	3	13.5%	21.6	16.9%	27.1	25%	40.0	0.0%	
F6	22.5	20.0	6.5	2925	108	1.5	163.6	1.5%	2.5	1.8%	3	13.5%	22.1	16.2%	26.6	25%	40.9	0.0%	
F7	23.5	20.0	6.5	3055	113	1.5	170.9	1.5%	2.6	1.8%	3	13.5%	23.1	15.7%	26.8	25%	42.7	0.0%	
F8	25.0	20.0	6.5	3250	120	1.5	181.8	1.5%	2.7	1.7%	3	13.5%	24.5	14.7%	26.7	25%	45.4	0.0%	
F9	28.0	20.0	5.5	3080	114	1.5	172.3	1.5%	2.6	1.7%	3	13.5%	23.3	14.4%	24.9	25%	43.1	0.0%	
G-2	20.0	16.5	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.3%	27.1	25%	41.5	0.0%	
G-1	20.0	16.5	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	15.9%	26.5	25%	41.5	0.0%	
G0	20.0	16.5	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.8	25%	41.5	0.0%	
G1	20.0	16.5	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.0%	26.6	25%	41.5	0.0%	
G2	20.0	16.5	9.0	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.7	25%	41.5	0.0%	
G3	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.5%	26.7	25%	40.3	18.6%	30.0
G4	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.9%	27.3	25%	40.3	18.6%	30.0
GS	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.8%	27.0	25%	40.3	18.6%	30.0
G6	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.7%	27.0	25%	40.3	18.6%	30.0
G6A	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.5%	26.6	25%	40.3	18.6%	30.0
G7	16.5	20.0	7.0	2310	86	1.5	129.2	1.5%	1.9	6.2%	8	13.5%	17.4	21.1%	27.3	25%	32.3	23.2%	30.0
G8	20.0	20.0	7.0	2800	104	1.5	156.6	1.5%	2.3	1.9%	3	13.5%	21.1	17.1%	26.7	25%	39.1	0.0%	
G9	20.0	20.0	7.0	2800	104	1.5	156.6	1.5%	2.3	1.9%	3	13.5%	21.1	17.1%	26.8	25%	39.1	0.0%	
G10	20.0	20.0	7.0	2800	104	1.5	156.6	1.5%	2.3	1.9%	3	13.5%	21.1	17.2%	26.9	25%	39.1	0.0%	
G11	20.0	20.0	7.0	2800	104	1.5	156.6	1.5%	2.3	1.9%	3	13.5%	21.1	16.5%	25.9	25%	39.1	0.0%	
G12	20.0	20.0	7.0	2800	104	1.5	156.6	1.5%	2.3	1.9%	3	13.5%	21.1	17.1%	26.7	25%	39.1	0.0%	
H-2	20.0	16.5	7.0	2310	86	1.5	129.2	1.5%	1.9	6.2%	8	13.5%	17.4	20.7%	26.7	25%	32.3	0.0%	
H-1	20.0	16.5	7.0	2310	86	1.5	129.2	1.5%	1.9	6.2%	8	13.5%	17.4	19.6%	25.3	25%	32.3	0.0%	
H0	20.0	16.5	7.0	2310	86	1.5	129.2	1.5%	1.9	6.2%	8	13.5%	17.4	19.9%	25.7	25%	32.3	0.0%	
H1	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.8%	27.0	25%	40.3	18.6%	30.0
H2	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.6%	26.8	25%	40.3	18.6%	30.0
H3	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.9%	27.2	25%	40.3	18.6%	30.0
H4	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.8%	27.0	25%	40.3	18.6%	30.0
H5	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.8%	27.0	25%	40.3	18.6%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
H6	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	15.5%	25.0	25%	40.3	18.6%	30.0
H6A	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.5%	26.7	25%	40.3	18.6%	30.0
H6B	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	15.9%	25.6	25%	40.3	18.6%	30.0
H6C	20.0	12.0	12.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.6%	26.8	25%	40.3	18.6%	30.0
H7	18.5	20.0	7.5	2775	103	1.5	155.2	1.5%	2.3	5.2%	8	13.5%	21.0	17.6%	27.3	25%	38.8	19.3%	30.0
H8	18.5	20.0	8.0	2960	110	1.5	165.5	1.5%	2.5	4.8%	8	13.5%	22.3	15.4%	25.5	25%	41.4	9.1%	15.0
H9	18.5	20.0	8.0	2960	110	1.5	165.5	1.5%	2.5	4.8%	8	13.5%	22.3	16.2%	26.9	25%	41.4	9.1%	15.0
H10	18.5	20.0	8.0	2960	110	1.5	165.5	1.5%	2.5	4.8%	8	13.5%	22.3	16.3%	27.0	25%	41.4	9.1%	15.0
H11	18.5	20.0	8.0	2960	110	1.5	165.5	1.5%	2.5	4.8%	8	13.5%	22.3	16.0%	26.5	25%	41.4	9.1%	15.0
H12	18.5	20.0	8.0	2960	110	1.5	165.5	1.5%	2.5	4.8%	8	13.5%	22.3	16.0%	26.6	25%	41.4	9.1%	15.0
I2	50.0	20.0	6.0	6000	222	1.5	335.6	1.5%	5.0	2.4%	8	13.5%	45.3	8.0%	26.9	0%	0.0	0.0%	W/S
I3	30.0	20.0	6.5	3900	144	1.5	218.1	1.5%	3.3	3.7%	8	13.5%	29.4	11.7%	25.5	0%	0.0	0.0%	
I4	21.3	20.0	7.0	2982	110	1.5	166.8	1.5%	2.5	4.8%	8	13.5%	22.5	16.0%	26.7	0%	0.0	0.0%	
I5	21.3	20.0	7.0	2982	110	1.5	166.8	1.5%	2.5	4.8%	8	13.5%	22.5	15.1%	25.2	0%	0.0	0.0%	
I6	21.3	20.0	7.0	2982	110	1.5	166.8	1.5%	2.5	4.8%	8	13.5%	22.5	16.4%	27.3	0%	0.0	0.0%	
I7	21.3	20.0	7.0	2982	110	1.5	166.8	1.5%	2.5	4.8%	8	13.5%	22.5	16.2%	27.0	0%	0.0	0.0%	
I8	21.3	20.0	7.0	2982	110	1.5	166.8	1.5%	2.5	4.8%	8	13.5%	22.5	16.2%	27.0	0%	0.0	0.0%	
I9	31.0	20.0	7.0	4340	161	1.5	242.7	1.5%	3.6	3.3%	8	13.5%	32.8	11.1%	26.8	0%	0.0	0.0%	
I10	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.1%	26.8	0%	0.0	0.0%	
I11	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.3%	27.0	0%	0.0	0.0%	
I12	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	15.2%	25.3	0%	0.0	0.0%	
J3	50.0	20.0	6.0	6000	222	1.5	335.6	1.5%	5.0	2.4%	8	13.5%	45.3	7.9%	26.5	25%	83.9	0.0%	
J4	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	13.8%	25.5	25%	46.1	0.0%	
J5	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.8%	27.4	25%	46.1	0.0%	
J6	19.0	20.0	8.0	3040	113	1.5	170.0	1.5%	2.6	4.7%	8	13.5%	23.0	15.9%	27.0	25%	42.5	0.0%	
J7	19.0	20.0	8.0	3040	113	1.5	170.0	1.5%	2.6	4.7%	8	13.5%	23.0	15.8%	26.9	25%	42.5	0.0%	
J8	19.0	20.0	8.0	3040	113	1.5	170.0	1.5%	2.6	4.7%	8	13.5%	23.0	15.7%	26.7	25%	42.5	0.0%	
J9	19.0	20.0	8.0	3040	113	1.5	170.0	1.5%	2.6	4.7%	8	13.5%	23.0	14.7%	24.9	25%	42.5	0.0%	
J10	25.0	20.0	6.0	3000	111	1.5	167.8	1.5%	2.5	4.8%	8	13.5%	22.7	15.2%	25.6	25%	41.9	0.0%	
J11	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	14.3%	23.7	25%	41.5	0.0%	
J12	19.8	20.0	7.5	2970	110	1.5	166.1	1.5%	2.5	4.8%	8	13.5%	22.4	16.2%	26.9	25%	41.5	0.0%	
K3	50.0	20.0	6.0	6000	222	1.5	335.6	1.5%	5.0	2.4%	8	13.5%	45.3	7.9%	26.6	25%	83.9	0.0%	
K4	30.0	20.0	6.0	3600	133	1.5	201.3	1.5%	3.0	4.0%	8	13.5%	27.2	12.5%	25.2	25%	50.3	0.0%	
K5	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.0%	26.2	25%	43.6	0.0%	
K6	24.0	20.0	6.5	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.9	25%	43.6	0.0%	
K7	24.0	20.0	6.5	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.9	25%	43.6	0.0%	
K8	24.0	20.0	6.5	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.6	25%	43.6	0.0%	

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
K9	24.0	20.0	6.5	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.5%	27.1	25%	43.6	0.0%	
K10	17.0	20.0	6.5	2210	82	1.5	123.6	1.5%	1.9	6.5%	8	13.5%	16.7	20.4%	25.2	25%	30.9	0.0%	
K11	25.0	20.0	6.0	3000	111	1.5	167.8	1.5%	2.5	4.8%	8	13.5%	22.7	14.7%	24.6	25%	41.9	0.0%	
K12	24.0	20.0	6.0	2880	107	1.5	161.1	1.5%	2.4	5.0%	8	13.5%	21.7	16.5%	26.6	25%	40.3	0.0%	
L1	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	13.7%	23.9	25%	43.6	0.0%	
L2	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.8%	25.8	25%	43.6	0.0%	
L3	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.8%	25.7	25%	43.6	17.2%	30.0
L4	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.9	25%	43.6	17.2%	30.0
L5	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.1%	26.3	25%	43.6	17.2%	30.0
L6	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.8%	25.9	25%	43.6	17.2%	30.0
L7	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.6	25%		17.2%	30.0
L8	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		17.2%	30.0
L9	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.5%	27.0	25%		17.2%	30.0
L11	36.0	20.0	6.5	4680	173	1.5	261.7	1.5%	3.9	3.1%	8	13.5%	35.3	10.1%	26.6	25%		0.0%	0.0
M1	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.5%	25.3	25%		17.2%	30.0
M2	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.5%	27.1	25%		17.2%	30.0
M3	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.6	25%		0.0%	0.0
M4	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.2%	24.7	25%		0.0%	0.0
M5	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.2%	26.5	25%		17.2%	30.0
M6	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.8%	25.9	25%		17.2%	30.0
M7	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.5%	27.0	25%		17.2%	30.0
M8	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.5%	27.0	25%		17.2%	30.0
M9	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		17.2%	30.0
M10	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.1%	26.4	25%		17.2%	30.0
N1	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.2%	27.1	25%		16.8%	30.0
N2	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	14.9%	26.7	25%		16.8%	30.0
N3	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.1%	27.0	25%		16.8%	30.0
N4	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.0%	26.7	25%		0.0%	0.0
N5	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.3%	26.3	25%		17.4%	30.0
N6	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	14.5%	25.0	25%		17.4%	30.0
N7	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.5%	26.7	25%		17.4%	30.0
N8	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.6%	26.9	25%		17.4%	30.0
N9	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.6%	26.8	25%		17.4%	30.0
N10	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.6%	26.9	25%		17.4%	30.0
N11	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	14.7%	25.4	25%		17.4%	30.0
O1	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.1%	26.9	25%		16.8%	30.0
O2	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.2%	27.1	25%		16.8%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
O3	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.0%	26.8	25%		16.8%	30.0
O4	29.0	20.0	5.5	3190	118	1.5	178.4	1.5%	2.7	4.5%	8	13.5%	24.1	15.0%	26.7	25%		16.8%	30.0
O5	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.4%	26.6	25%		17.4%	30.0
O6	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.2%	26.2	25%		0.0%	0.0
O7	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.5%	26.7	25%		17.4%	30.0
O8	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.5%	26.7	25%		17.4%	30.0
O9	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.3%	26.3	25%		17.4%	30.0
O10	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.7%	27.0	25%		17.4%	30.0
O11	22.0	20.0	7.0	3080	114	1.5	172.3	1.5%	2.6	4.6%	8	13.5%	23.3	15.3%	26.4	25%		17.4%	30.0
P1	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.6%	27.0	25%		16.3%	30.0
P2	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.7%	27.1	25%		16.3%	30.0
P3	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.1%	26.0	25%		16.3%	30.0
P4	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.6%	27.0	25%		16.3%	30.0
P5	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.6%	26.9	25%		16.3%	30.0
P6	30.0	20.0	5.5	3300	122	1.5	184.6	1.5%	2.8	4.3%	8	13.5%	24.9	14.2%	26.2	25%		16.3%	30.0
P7	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	15.0%	27.0	25%		16.7%	30.0
P8	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	0.0%		13.5%	24.3	14.8%	26.7	25%		16.7%	30.0
P9	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	14.8%	26.6	25%		16.7%	30.0
P10	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	15.0%	27.0	25%		16.7%	30.0
Q1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
Q2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
Q3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.0%	26.0	25%		17.3%	30.0
Q4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
Q5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.1%	26.3	25%		17.3%	30.0
Q6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.4	25%		17.3%	30.0
Q7	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	14.8%	26.7	25%		16.7%	30.0
Q8	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	14.9%	26.8	25%		16.7%	30.0
Q9	21.0	20.0	7.0	2940	109	1.5	164.4	1.5%	2.5	4.9%	8	13.5%	22.2	15.7%	25.9	25%		18.2%	30.0
Q10	21.0	20.0	7.0	2940	109	1.5	164.4	1.5%	2.5	4.9%	8	13.5%	22.2	16.3%	26.9	25%		18.2%	30.0
R1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
R2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
R3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
R4	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	14.6%	26.3	25%		16.7%	30.0
R5	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	14.7%	26.4	25%		16.7%	30.0
R6	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	15.0%	27.0	25%		16.7%	30.0
R7	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	14.8%	26.6	25%		16.7%	30.0
R8	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	13.9%	25.1	25%		16.7%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
R9	23.0	20.0	7.0	3220	119	1.5	180.1	1.5%	2.7	4.4%	8	13.5%	24.3	15.0%	27.1	25%		16.7%	30.0
R10	40.0	20.0	7.0	5600	207	1.5	313.2	1.5%	4.7	2.6%	8	13.5%	42.3	8.6%	26.8	25%		9.6%	30.0
S1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
S2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
S3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.4	25%		17.3%	30.0
S4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
S5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
S6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		17.3%	30.0
S7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.8%	27.4	25%		17.3%	30.0
S8	48.0	20.0	5.0	4800	178	1.5	268.4	1.5%	4.0	3.0%	8	13.5%	36.2	9.9%	26.7	25%		11.2%	30.0
T1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
T2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		17.3%	30.0
T3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
T4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
T5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.3	25%		17.3%	30.0
T6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	27.0	25%		17.3%	30.0
T7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
T8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
U1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
U2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
U3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
U4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
U5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
U6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
U7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
U8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
U9	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.4	25%		17.3%	30.0
V1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
V2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.3	25%		17.3%	30.0
V3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
V4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	27.0	25%		17.3%	30.0
V5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
V6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
V7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
V8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
W1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
W2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
W3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
W4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.9%	27.6	25%		17.3%	30.0
W5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
W6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
W7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		17.3%	30.0
W8	49.0	20.0	5.0	4900	181	1.5	274.0	1.5%	4.1	2.9%	8	13.5%	37.0	9.8%	26.9	25%		10.9%	30.0
X1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
X2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
X3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
X4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
X5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
X6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
X7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
X8	46.0	20.0	5.0	4600	170	1.5	257.3	1.5%	3.9	3.1%	8	13.5%	34.7	10.3%	26.4	25%		11.7%	30.0
Y1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
Y2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
Y3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
Y4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
Y5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	16.0%	27.7	25%		17.3%	30.0
Y6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
Y7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
Y8	54.0	20.0	5.0	5400	200	1.5	302.0	1.5%	4.5	2.6%	8	13.5%	40.8	8.7%	26.2	25%		9.9%	30.0
Z1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
Z2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.0%	26.1	25%		17.3%	30.0
Z3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
Z4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.1	25%		17.3%	30.0
Z5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
Z6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
Z7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
Z8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AB1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AB2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.1%	26.2	25%		17.3%	30.0
AB3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
AB4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.8%	27.4	25%		17.3%	30.0
AB5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
AB6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AB7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
AB8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
AC1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
AC2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AC3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
AC4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
ACS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AC6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AC7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
AC8	43.0	20.0	5.0	4300	159	1.5	240.5	1.5%	3.6	3.3%	8	13.5%	32.5	11.3%	27.2	25%		12.5%	30.0
AD1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.2	25%		17.3%	30.0
AD2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
AD3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
AD4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
ADS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AD6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.8%	27.3	25%		17.3%	30.0
AD7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AD8	45.0	20.0	5.0	4500	167	1.5	251.7	1.5%	3.8	3.2%	8	13.5%	34.0	10.8%	27.1	25%		11.9%	30.0
AF1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.1	25%		17.3%	30.0
AF2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
AF3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.7%	25.5	25%		17.3%	30.0
AF4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		17.3%	30.0
AFS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AF6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AF7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
AF8	41.0	20.0	5.0	4100	152	1.5	229.3	1.5%	3.4	3.5%	8	13.5%	31.0	11.6%	26.7	25%		13.1%	30.0
AG1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AG2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.2	25%		17.3%	30.0
AG3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
AG4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
AG5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
AG6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
AG7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.0%	26.1	25%		17.3%	30.0
AG8	28.0	30.0	5.0	4200	156	1.5	234.9	1.5%	3.5	3.4%	8	13.5%	31.7	11.6%	27.1	25%		12.8%	30.0
AH1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
AH2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AH3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AH4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
AH5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
AH6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.3	25%		17.3%	30.0
AH7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	27.0	25%		17.3%	30.0
AH8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
AI1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
AI2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		17.3%	30.0
AI3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
AI4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AI5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AI6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.1	25%		17.3%	30.0
AI7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.3	25%		17.3%	30.0
AI8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		17.3%	30.0
AJ1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	27.0	25%		17.3%	30.0
AJ2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
AJ3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		26.0%	45.0
AJ4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
AJ5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0
AJ6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.8%	25.7	25%		26.0%	45.0
AJ7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AJ8	32.0	20.0	5.0	3200	119	1.5	179.0	1.5%	2.7	4.5%	8	13.5%	24.2	14.8%	26.5	25%		25.1%	45.0
AK1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AK2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AK3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0
AK4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.4	25%		26.0%	45.0
AK5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.7%	25.5	25%		26.0%	45.0
AK6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AK7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		26.0%	45.0
AK8	37.0	20.0	5.0	3700	137	1.5	206.9	1.5%	3.1	3.9%	8	13.5%	27.9	13.0%	26.8	25%		21.7%	45.0
AL1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AL2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AL3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		26.0%	45.0
AL4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.0%	26.0	25%		26.0%	45.0
AL5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
AL6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.1%	26.2	25%		26.0%	45.0
AL7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.9%	27.5	25%		26.0%	45.0
AL8	34.0	20.0	5.0	3400	126	1.5	190.1	1.5%	2.9	4.2%	8	13.5%	25.7	14.2%	27.0	25%		23.7%	45.0
AM1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		26.0%	45.0
AM2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AM3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AM4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AMS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.2	25%		26.0%	45.0
AM6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.9%	25.9	25%		26.0%	45.0
AM7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.2	25%		26.0%	45.0
AM8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		26.0%	45.0
AN1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		26.0%	45.0
AN2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.3	25%		26.0%	45.0
AN3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AN4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
ANS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.4	25%		26.0%	45.0
AN6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0
AN7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		26.0%	45.0
AN8	27.0	20.0	5.0	2700	100	1.5	151.0	1.5%	2.3	5.3%	8	13.5%	20.4	17.4%	26.3	25%		29.8%	45.0
AO1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.0%	26.1	25%		26.0%	45.0
AO2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AO3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AO4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AOS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0
AO6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AO7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.9%	25.8	25%		26.0%	45.0
AO8	37.0	20.0	5.0	3700	137	1.5	206.9	1.5%	3.1	3.9%	8	13.5%	27.9	12.9%	26.7	25%		21.7%	45.0
AP1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.8%	27.4	25%		26.0%	45.0
AP2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.1%	26.1	25%		26.0%	45.0
AP3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AP4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
APS	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.1%	26.2	25%		26.0%	45.0
AP6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
AP7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
AP8	36.0	20.0	5.0	3600	133	1.5	201.3	1.5%	3.0	4.0%	8	13.5%	27.2	13.4%	26.9	25%		22.4%	45.0
AU1	39.0	20.0	5.0	3900	144	1.5	218.1	1.5%	3.3	3.7%	8	13.5%	29.4	12.2%	26.6	25%		20.6%	45.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
AU2	39.0	20.0	5.0	3900	144	1.5	218.1	1.5%	3.3	3.7%	8	13.5%	29.4	11.9%	26.0	25%		20.6%	45.0
AU3	39.0	20.0	5.0	3900	144	1.5	218.1	1.5%	3.3	3.7%	8	13.5%	29.4	12.4%	27.1	25%		20.6%	45.0
AU4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
AU5	20.0	20.0	5.0	2000	74	1.5	111.9	1.5%	1.7	7.2%	8	13.5%	15.1	23.8%	26.6	25%		40.2%	45.0
AU6	30.0	20.0	5.0	3000	111	1.5	167.8	1.5%	2.5	4.8%	8	13.5%	22.7	15.7%	26.3	25%		26.8%	45.0
AV1	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.8%	25.8	25%		25.8%	45.0
AV2	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		25.8%	45.0
AV3	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.9%	26.0	25%		25.8%	45.0
AV4	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.0%	26.1	25%		25.8%	45.0
AV5				0	0	1.5	0.0	1.5%	0.0			13.5%	0.0			25%			
AQ1	31.0	20.0	4.0	2480	92	1.5	138.7	1.5%	2.1	5.8%	8	13.5%	18.7	19.1%	26.5	25%		32.4%	45.0
AQ2	31.0	20.0	4.0	2480	92	1.5	138.7	1.5%	2.1	5.8%	8	13.5%	18.7	19.1%	26.5	25%		32.4%	45.0
AQ3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.2%	24.7	25%		26.0%	45.0
AQ4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AQ5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0
AQ6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	14.9%	25.9	25%		26.0%	45.0
AQ7	31.0	30.0	5.0	4650	172	1.5	260.1	1.5%	3.9	3.1%	8	13.5%	35.1	9.8%	25.5	25%		17.3%	45.0
AQ8	36.0	20.0	5.0	3600	133	1.5	201.3	1.5%	3.0	4.0%	8	13.5%	27.2	13.5%	27.1	25%		22.4%	45.0
AR1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AR2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
AR3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AR4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AR5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AR6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.2%	26.4	25%		26.0%	45.0
AR7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
AR8	32.0	20.0	5.0	3200	119	1.5	179.0	1.5%	2.7	4.5%	8	13.5%	24.2	15.0%	26.8	25%		25.1%	45.0
AS1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AS2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		26.0%	45.0
AS3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
AS4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0
AS5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.7%	27.3	25%		26.0%	45.0
AS6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		26.0%	45.0
AS7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		26.0%	45.0
AS8	40.0	20.0	5.0	4000	148	1.5	223.7	1.5%	3.4	3.6%	8	13.5%	30.2	11.9%	26.7	25%		20.1%	45.0
AT1	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		25.8%	45.0
AT2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		26.0%	45.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
AT3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.6	25%		26.0%	45.0
AT4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		26.0%	45.0
AT5	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.2%	26.5	25%		25.8%	45.0
AT6	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.8	25%		25.8%	45.0
AT7	16.0	20.0	11.0	3520	130	1.5	196.9	1.5%	3.0	4.1%	8	13.5%	26.6	13.5%	26.5	25%		22.9%	45.0
AT8	16.0	20.0	11.0	3520	130	1.5	196.9	1.5%	3.0	4.1%	8	13.5%	26.6	13.5%	26.6	25%		22.9%	45.0
AT9	16.0	20.0	11.0	3520	130	1.5	196.9	1.5%	3.0	4.1%	8	13.5%	26.6	13.6%	26.8	25%		22.9%	45.0
AT10	16.0	20.0	11.0	3520	130	1.5	196.9	1.5%	3.0	4.1%	8	13.5%	26.6	13.7%	27.0	25%		22.9%	45.0
AT11	23.0	20.0	11.0	5060	187	1.5	283.0	1.5%	4.2	2.8%	8	13.5%	38.2	9.4%	26.6	25%		15.9%	45.0
UD1	20.0	40.0	3.0	2400	89	1.5	134.2	1.5%	2.0	6.0%	8	13.5%	18.1	20.0%	26.9	25%		33.5%	45.0
UD2	40.0	20.0	5.0	4000	148	1.5	223.7	1.5%	3.4	3.6%	8	13.5%	30.2	12.1%	27.1	25%		20.1%	45.0
UD3	40.0	20.0	5.0	4000	148	1.5	223.7	1.5%	3.4	3.6%	8	13.5%	30.2	12.1%	27.0	25%		20.1%	45.0
AE1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	27.0	25%		17.3%	30.0
AE2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.6	25%		17.3%	30.0
AE3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
AE4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
AE5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AE6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.3%	26.4	25%		17.3%	30.0
AE7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AE8	42.0	20.0	5.0	4200	156	1.5	234.9	1.5%	3.5	3.4%	8	13.5%	31.7	11.3%	26.6	25%		12.8%	30.0
AA1	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
AA2	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.9	25%		17.3%	30.0
AA3	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.5%	26.8	25%		17.3%	30.0
AA4	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.8	25%		17.3%	30.0
AA5	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.0	25%		17.3%	30.0
AA6	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
AA7	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.6%	27.1	25%		17.3%	30.0
AA8	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	4.6%	8	13.5%	23.4	15.4%	26.7	25%		17.3%	30.0
AW1	39.0	20.0	5.0	3900	144	1.5	218.1	1.5%	3.3	3.7%	8	13.5%	29.4	12.3%	26.8	25%		13.8%	30.0
AW2	39.0	20.0	5.0	3900	144	1.5	218.1	1.5%	3.3	3.7%	8	13.5%	29.4	12.3%	26.9	25%		20.6%	45.0
AW3	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.9	25%		17.2%	30.0
AW4	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		17.2%	30.0
AX1	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.8	25%		17.2%	30.0
AY1	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.6%	27.1	25%		17.2%	30.0
AY2	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.1%	26.4	25%		17.2%	30.0
AY3	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.9	25%		17.2%	30.0

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Cell Dimensions			Cell Volumes			Cell Stabilization	Portland Cement				Blast Furnace Slag (BFS)				AHA Pit/MPA Stockpile Soils			
								Target Mix		Actual Mix		Target Mix		Actual Mix		Target Mix		Actual Mix	
	Average Cell Length (ft)	Average Cell Width (ft)	Average Cell Depth (ft)	Total Cell Volume (cf)	Total Cell Volume (cy)	Sediment Density (tons/cy)	Total Stabilization Mass (tons)	(%)	Portland Cement (tons)	(%)	Portland Cement (tons)	(%)	BFS (tons)	(%)	BFS (tons)	(%)	AHA Soil (tons)	(%)	AHA Soil (tons)
AZ1	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.9	25%		17.2%	30.0
AZ2	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.6	25%		17.2%	30.0
AZ3	39.0	20.0	4.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.6	25%		17.2%	30.0
BA1	78.0	20.0	2.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.5%	27.1	25%		17.2%	30.0
BA2	52.0	20.0	2.0	2080	77	1.5	116.3	1.5%	1.7	6.9%	8	13.5%	15.7	23.3%	27.1	25%		25.8%	30.0
BABBBCAZ1	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.9%	26.9	25%		30.0%	45.0
BABBBCAZ2	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.8%	26.6	25%		40.0%	60.0
BABBBCAZ3	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.7%	26.6	25%		30.0%	45.0
BABBBCAZ4	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.7%	26.6	25%		30.0%	45.0
BABBBCAZ5	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.6%	26.4	25%		30.0%	45.0
BABBBCAZ6	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.7%	26.6	25%		30.0%	45.0
BABBBCAZ7	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.7%	26.5	25%		30.0%	45.0
BABBBCAZ8	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	5.3%	8	13.5%	20.2	17.6%	26.4	25%		30.0%	45.0
BABBBCAZ9	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	0.0%	8	13.5%	20.2	17.8%	26.7	25%		30.0%	45.0
BABBBCAZ10	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	0.0%	8	13.5%	20.2	17.8%	26.7	25%		30.0%	45.0
BABBBCAZ11	33.5	20.0	4.0	2680	99	1.5	149.9	1.5%	2.2	0.0%	8	13.5%	20.2	16.6%	24.8	25%		30.0%	45.0
BABBBCAZ12	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	0.0%	8	13.5%	23.4	15.3%	26.5	25%		26.0%	45.0
BABBBCAZ13	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	0.0%	8	13.5%	23.4	15.4%	26.6	25%		26.0%	45.0
BABBBCAZ14	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	0.0%	8	13.5%	23.4	15.4%	26.8	25%		26.0%	45.0
BABBBCAZ15	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	0.0%	8	13.5%	23.4	15.4%	26.7	25%		26.0%	45.0
BABBBCAZ16	31.0	20.0	5.0	3100	115	1.5	173.4	1.5%	2.6	0.0%	8	13.5%	23.4	15.4%	26.8	25%		26.0%	45.0
BABBBCAZ17	26.0	20.0	6.0	3120	116	1.5	174.5	1.5%	2.6	0.0%	8	13.5%	23.6	15.4%	27.0	25%		25.8%	45.0
BABBBCAZ18	35.0	20.0	5.0	3500	130	1.5	195.7	1.5%	2.9	0.0%	8	13.5%	26.4	13.5%	26.4	25%		23.0%	45.0
BB2	78.0	20.0	2.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		17.2%	30.0
BB1	78.0	20.0	2.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.3%	26.7	25%		17.2%	30.0
BC2	78.0	20.0	2.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	15.4%	26.8	25%		17.2%	30.0
BC1	78.0	20.0	2.0	3120	116	1.5	174.5	1.5%	2.6	4.6%	8	13.5%	23.6	14.9%	26.0	25%		17.2%	30.0

Notes:
ft = feet
cf = cubic feet
cy = cubic yards
% = per cent
psi = pounds per square inch

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
A1	12/09/12												
A2	12/09/12												
A3	12/07/12												
A4	12/07/12												
A5	03/30/12		04/02/12	NE Corner	62.5	SW Corner	62.5	Center	62.5				
A6	03/30/12												
A7	04/02/12		04/04/12	Center	62.5	East	62.5	West	62.5	North	62.5		
A8	04/02/12		04/04/12	Center	62.5	East	62.5	West	62.5				
A9	04/04/12		04/10/12	Center	38.2								
B1	03/28/12	04/03/12											
B2	03/29/12		04/02/12	SE corner	3.5	Center	45.1	SW Center	17.4				
B3	03/29/12		04/02/12	S Center	20.8	Center	6.9	NE Corner	41.7				
B4	04/03/12												
B5	04/03/12												
B6	04/04/12		04/10/12	Center	62.5	NE Corner	62.5	SW Center	62.5	SE Corner	62.5		
B7	04/04/12		04/10/12	Center	62.5	SW Corner	62.5	NE Corner	62.5	NW Corner	62.5		
B8	04/04/12												
B9	04/10/12		04/13/12	NE Corner	45.1	Center	24.3	SE Corner	62.5	Center	62.5		
C1	03/30/12	04/03/12	04/10/12	Center	62.5	NE Corner	52.1	NW Corner	41.7				
C2	04/02/12	04/03/12	04/04/12	Center	0.0	East	0.0	West	0.0	NW	0.0		
C3	04/02/12	04/03/12	04/04/12	Center	24.3	East	17.4	West	24.3	NW	13.9		
C4	04/10/12		04/13/12	SW Corner	31.3	SE Corner	17.4	Center	31.3	NW Corner	41.7		
C5	04/10/12		04/13/12	Center	24.3	NW Corner	17.4	SW Center	17.4	NE Corner	24.3		
C6	04/10/12		04/13/12	Center	59.0	NW Corner	62.5						
C7	04/11/12		04/13/12	NW Corner	62.5	SW Corner	31.3	NE Corner	38.2				
D-2	04/13/12		04/16/12	NE Corner	52.1	SW Corner	45.1	Center	24.3				
D-1	04/13/12		04/16/12	SW Corner	62.5	Center	62.5						
D0	04/13/12		04/16/12	NE Corner	62.5	Center	62.5						
D1	04/16/12		04/20/12	Center	62.5								
D2	04/17/12		04/20/12	NE Corner	62.5	Center	62.5						
D3	04/11/12		04/13/12	NE Corner	62.5	Center	62.5	SW Corner	59.0	NW Corner	62.5		
D4	04/11/12		04/13/12	NW Corner	62.5	SW Corner	62.5	Center	62.5	NE Corner	41.7		
D5	04/11/12		04/13/12	SE corner	62.5	SW Corner	62.5	Center	55.6				
D6	04/11/12		04/13/12	Center	52.1	NE Corner	55.6						
D7	04/12/12		04/16/12	SW Corner	31.3	Center	34.7						
E1	04/17/12		04/20/12	SW Corner	62.5								
E2	04/17/12		04/20/12	SE corner	62.5	Center	62.5						

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
E3	04/17/12		04/20/12	Center	62.5	NW Corner	62.5						
F-2	04/18/12		04/20/12	Center	62.5	NE Corner	62.5						
F-1	04/18/12		04/20/12	NE Corner	62.5								
F0	04/18/12		04/20/12	Center	52.1								
F1	04/18/12		04/20/12	NW Corner	62.5	SE Corner	62.5						
F2	04/18/12		04/20/12	Center	62.5								
F3	04/18/12		04/20/12	Center	52.1								
F4	04/16/12		04/18/12	SW Corner	62.5	Center	62.5	NE Corner	62.5	SE Corner	48.6	NW Corner	62.50
F5	04/12/12		04/18/12	Center	62.5	NW Corner	62.5	SW Corner	62.5	NE Corner	62.5	SE corner	62.50
F6	04/13/12		04/18/12	SE Corner	62.5	SW Corner	62.5	NW Corner	62.5	Center	62.5	NE Corner	62.50
F7	04/12/12		04/16/12	Center	24.3	SW Corner	24.3						
F8	04/13/12		04/16/12	NW Corner	62.5	Center	45.1						
F9	04/13/12		04/16/12	SE Corner	55.6	Center	62.5						
G-2	04/19/12		04/23/12	Center	55.6	SE Corner	62.5						
G-1	04/19/12		04/23/12	Center	62.5	SW Corner	62.5						
G0	04/19/12		04/23/12	Center	62.5	NW Corner	62.5						
G1	04/19/12		04/23/12	Center	62.5	SW Corner	62.5	SE Corner	62.5				
G2	04/19/12		04/23/12	Center	62.5	SW Corner	62.5	NW Corner	62.5				
G3	04/20/12		04/23/12	Center	62.5	SE Corner	62.5						
G4	04/20/12		04/23/12	Center	62.5	NW Corner	62.5						
G5	04/20/12		04/23/12	Center	62.5	SE Corner	62.5						
G6	04/20/12		04/23/12	Center	62.5	NE Corner	62.5						
G6A	04/20/12		04/23/12	Center	62.5	SE Corner	62.5						
G7	04/19/12		04/23/12	SE Corner	62.5	SW Corner	62.5						
G8	04/16/12												
G9	04/16/12												
G10	04/16/12												
G11	04/16/12												
G12	04/16/12												
H-2	04/20/12		04/23/12	SW Corner	62.5	NW Corner	62.5						
H-1	04/20/12		04/23/12	NW Corner	62.5	SE Corner	62.5						
H0	04/20/12		04/23/12	Center	62.5	SW Corner	62.5						
H1	04/23/12		04/26/12	Center	62.5	SE Corner	62.5						
H2	04/23/12		04/26/12	Center	62.5								
H3	04/23/12		04/26/12	Center	62.5								
H4	04/23/12		04/26/12	Center	62.5	SW Corner	62.5						
H5	04/23/12		04/26/12	Center	62.5								

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
H6	04/23/12		04/26/12	Center	62.5	NE Corner	62.5						
H6A	04/23/12		04/26/12	SW Corner	62.5	SE Corner	62.5						
H6B	04/23/12		04/26/12	NE Corner	62.5	NW Corner	62.5						
H6C	04/23/12		04/26/12	SW Corner	62.5	NE Corner	62.5						
H7	04/20/12												
H8	04/17/12		04/20/12	Center	62.1								
H9	04/17/12		04/20/12	NE Corner	62.1	Center	62.1						
H10	04/17/12		04/20/12	Center	62.1								
H11	04/17/12		04/20/12	NE Corner	62.1	Center	62.1						
H12	04/17/12		04/20/12	NW Corner	62.1	Center	62.1						
I2	04/24/12		04/27/12	Center	62.5	NE Corner	62.5						
I3	04/24/12		04/27/12	Center	27.8	SE Corner	62.5						
I4	04/24/12		04/27/12	Center	62.5	NE Corner	62.5						
I5	04/24/12		04/27/12	Center	62.5	SW Corner	62.5						
I6	04/24/12		04/27/12	NW Corner	62.5	Center	62.5						
I7	04/24/12		04/27/12	Center	62.5	NE Corner	62.5						
I8	04/25/12		04/27/12	Center	62.5	SW Corner	62.5						
I9	04/24/12		04/27/12	Center	62.5	SE Corner	62.5						
I10	04/18/12		04/20/12	Center	62.1								
I11	04/18/12		04/20/12	Center	62.1	NW Corner	62.1						
I12	04/18/12		04/20/12	NE Corner	62.1	NW Corner	62.1						
J3	04/25/12		04/27/12	Center	62.5	SW Corner	62.5						
J4	04/25/12		04/27/12	Center	55.6	NW Corner	62.5						
J5	04/25/12		04/27/12	Center	62.5	SE Corner	52.1						
J6	04/25/12		04/27/12	Center	62.5	NW Corner	48.6						
J7	04/25/12		04/27/12	Center	59.0	NE Corner	45.1						
J8	04/25/12		04/27/12	Center	45.1	SE Corner	38.2						
J9	04/25/12		04/27/12	Center	41.7	NW Corner	48.6						
J10	04/25/12		04/27/12	Center	31.3	SW Corner	38.2						
J11	04/19/12												
J12	04/19/12												
K3	04/26/12		04/30/12	Center	62.5								
K4	04/26/12		04/30/12	Center	62.5								
K5	04/26/12		04/30/12	Center	62.5	SW Corner	62.5						
K6	04/26/12		04/30/12	Center	62.5	NW Corner	62.5						
K7	04/26/12		04/30/12	Center	62.5	SE Corner	62.5						
K8	04/26/12		04/30/12	Center	38.2								

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
K9	04/26/12		04/30/12	Center	45.1								
K10	04/26/12		04/30/12	Center	52.1								
K11	04/25/12		04/27/12	Center	38.2	NE Corner	34.7						
K12	04/24/12		04/27/12	Center	62.5								
L1	04/27/12		04/30/12	Center	62.5	SW Corner	62.5						
L2	04/27/12		04/30/12	Center	62.5	NW Corner	62.5						
L3	04/27/12		04/30/12	Center	48.6	SW Corner	48.6						
L4	04/27/12		04/30/12	Center	41.7	SE Corner	31.3						
L5	04/27/12		04/30/12	Center	45.1								
L6	04/27/12		04/30/12	SE Corner	34.7	Center	48.6						
L7	04/27/12		04/30/12	Center	62.5								
L8	04/27/12		04/30/12	Center	62.5								
L9	04/27/12												
L11	04/26/12												
M1	04/30/12												
M2	04/30/12												
M3	04/30/12												
M4	04/30/12												
M5	04/30/12												
M6	04/30/12												
M7	05/01/12												
M8	04/30/12												
M9	04/30/12												
M10	04/30/12												
N1	05/02/12												
N2	05/01/12												
N3	05/01/12												
N4	05/02/12												
N5	05/01/12												
N6	05/01/12												
N7	05/07/12		05/10/12	Center	62.5	SW Corner	62.5						
N8	05/01/12												
N9	05/01/12												
N10	05/02/12												
N11	05/01/12												
O1	05/07/12		05/10/12	Center	45.1	NW Corner	31.3						
O2	05/07/12		05/10/12	Center	20.8	NE Corner	20.8	SE Corner	27.8				

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
O3	05/07/12		05/10/12	Center	17.4	SE Corner	34.7						
O4	05/07/12		05/10/12	Center	27.8								
O5	05/07/12		05/10/12	Center	62.5	NE Corner	62.5						
O6	05/07/12		05/10/12	Center	62.5	NW Corner	62.5						
O7	05/08/12		05/11/12	Center	34.7	SW Corner	55.6						
O8	05/08/12		05/11/12	Center	62.5	NE Corner	62.5						
O9	05/07/12		05/10/12	Center	59.0	SW Corner	48.6						
O10	05/08/12		05/10/12	Center	55.6	SE Corner	62.5						
O11	05/08/12		05/10/12	Center	62.5								
P1	05/08/12		05/11/12	Center	62.5	NW Corner	62.5						
P2	05/08/12		05/10/12	Center	34.7								
P3	05/08/12		05/10/12	Center	62.5	NW Corner	34.7						
P4	05/09/12		05/10/12	Center	52.1	NE Corner	34.7						
P5	05/08/12		05/10/12	Center	38.2								
P6	05/08/12		05/10/12	Center	55.6	SE Corner	6.5						
P7	05/09/12		05/10/12	Center	62.5	SE Corner	62.5						
P8	05/09/12		05/10/12	Center	55.6	NW Corner	55.6						
P9	05/09/12		05/10/12	Center	34.7	SW Corner	34.7						
P10	05/09/12		05/10/12	SE Corner	41.7								
Q1	05/09/12		05/12/12	NW Corner	24.3	SE Corner	34.7						
Q2	05/09/12		05/10/12	SE Corner	62.5	NW Corner	59.0						
Q3	05/09/12		05/10/12	NW Corner	45.1	NE Corner	62.5						
Q4	05/10/12												
Q5	05/10/12												
Q6	05/09/12		05/10/12	Center	45.1								
Q7	05/10/12												
Q8	05/10/12												
Q9	05/10/12												
Q10	05/10/12												
R1	05/10/12												
R2	05/10/12												
R3	05/10/12												
R4	05/11/12		05/14/12	Center	55.6	SE Corner	62.5						
R5	05/11/12		05/14/12	SE Corner	62.5	NW Corner	62.5						
R6	05/11/12		05/14/12	NW Corner	62.5	Center	62.5						
R7	05/11/12		05/14/12	NE Corner	62.5	SE Corner	62.5						
R8	05/11/12		05/14/12	NE Corner	62.5	NW Corner	62.5						

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
R9	05/11/12		05/14/12	Center	62.5	SE Corner	62.5						
R10	05/11/12		05/14/12	NE Corner	62.5	NW Corner	62.5						
S1	05/11/12		05/14/12	Center	62.5								
S2	05/14/12		05/17/12	Center	62.5								
S3	05/14/12		05/17/12	Center	34.7	NW Corner	41.7						
S4	05/14/12		05/17/12	NE Corner	48.6	SW Corner	55.6						
S5	05/14/12		05/17/12	SE Corner	34.7	NE Corner	41.7						
S6	05/14/12		05/17/12	SW Corner	45.1	SE Corner	62.5						
S7	05/14/12		05/17/12	Center	27.8	NE Corner	55.6						
S8	05/14/12		05/17/12	NW Corner	55.6	Center	62.5						
T1	05/14/12		05/17/12	Center	34.7	NW Corner	62.5						
T2	05/15/12		05/18/12	SE Corner	62.5	SW Corner	62.5						
T3	05/15/12		05/18/12	NE Corner	62.5	SW Corner	62.5						
T4	05/15/12		05/18/12	SE Corner	62.5	NW Corner	59.0						
T5	05/15/12		05/18/12	NE Corner	48.6	SE Corner	45.1						
T6	05/15/12		05/18/12	Center	38.2								
T7	05/15/12		05/18/12	Center	48.6								
T8	05/15/12		05/18/12	Center	62.5								
U1	05/15/12		05/18/12	Center	55.6								
U2	05/15/12		05/18/12	NW Corner	41.7	Center	55.6						
U3	05/16/12		05/18/12	SW Corner	52.1	Center	45.1						
U4	05/16/12		05/18/12	NE Corner	34.7	NW Corner	52.1						
U5	05/16/12		05/18/12	Center	62.5	SE Corner	62.5						
U6	05/16/12		05/18/12	Center	55.6	SE Corner	48.6						
U7	05/16/12		05/18/12	SE Corner	52.1	SW Corner	55.6						
U8	05/16/12		05/18/12	Center	27.8	SE Corner	27.8						
U9	05/16/12		05/18/12	Center	62.5								
V1	05/16/12		05/18/12	Center	55.6								
V2	05/17/12												
V3	05/17/12												
V4	05/17/12												
V5	05/17/12												
V6	05/17/12												
V7	05/17/12												
V8	05/17/12												
W1	05/17/12												

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Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
W2	05/18/12		05/21/12	SE Corner	62.5	NE Corner	62.5						
W3	05/18/12		05/21/12	NE Corner	59.0	Center	62.5						
W4	05/18/12		05/21/12	NW Corner	38.2	NE Corner	31.3						
W5	05/18/12		05/21/12	Center	59.0	SE Corner	27.8						
W6	05/18/12		05/21/12	NW Corner	48.6	NE Corner	38.2						
W7	05/18/12		05/21/12	Center	62.5								
W8	05/18/12		05/21/12	Center	62.5								
X1	05/18/12		05/21/12	Center	62.5								
X2	05/21/12		05/24/12	SE Corner	34.7	Center	55.6						
X3	05/21/12		05/24/12	NE Corner	62.5	Center	62.5						
X4	05/21/12		05/24/12	Center	41.7	SW Corner	45.1						
X5	05/22/12		05/24/12	NE Corner	62.5	NW Corner	55.6						
X6	05/21/12		05/24/12	SE Corner	62.5	Center	62.5						
X7	05/21/12		05/24/12	Center	59.0	SE Corner	59.0						
X8	05/21/12												
Y1	05/21/12		05/25/12	Center	62.5								
Y2	05/22/12		05/25/12	SW Corner	62.5	Center	62.5						
Y3	05/22/12		05/25/12	NE Corner	59.0	Center	62.5						
Y4	05/23/12		05/25/12	Center	31.3	SE Corner	62.5						
Y5	05/23/12		05/25/12	NW Corner	20.8	SW Corner	27.8						
Y6	05/22/12		05/25/12	SE Corner	48.6	Center	31.3						
Y7	05/22/12		05/25/12	NW Corner	38.2	SE Corner	31.3						
Y8	05/22/12		05/25/12	SE Corner	59.0	Center	62.5						
Z1	05/22/12		05/25/12	Center	62.5	SE Corner	62.5	NE Corner	62.5				
Z2	05/24/12												
Z3	05/24/12												
Z4	05/25/12												
Z5	05/25/12												
Z6	05/25/12												
Z7	05/25/12												
Z8	05/24/12		05/25/12	SW Corner	31.3	SE Corner	62.5	NE Corner	27.8				
AB1	05/25/12												
AB2	05/29/12		06/01/12	SE Corner	48.6	Center	55.6						
AB3	05/30/12		06/01/12	SW Corner	62.5	Center	62.5						
AB4	05/30/12		06/01/12	NE Corner	34.7	Center	41.7						
AB5	05/30/12		06/01/12	Center	55.6	NE Corner	62.5						

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Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
AB6	05/30/12		06/01/12	NW Corner	48.6	NE Corner	38.2						
AB7	05/30/12		06/01/12	Center	52.1	NW Corner	41.7						
AB8	05/30/12		06/01/12	NW Corner	34.7	NE Corner	62.5						
AC1	05/29/12		06/01/12	SE Corner	62.5	NE Corner	62.5						
AC2	05/30/12		06/01/12	Center	31.3	SW Corner	48.6						
AC3	05/31/12												
AC4	05/31/12												
AC5	05/31/12												
AC6	05/31/12												
AC7	05/31/12												
AC8	05/31/12												
AD1	05/30/12		06/01/12	SW Corner	62.5	NE Corner	62.5						
AD2	05/31/12												
AD3	06/01/12												
AD4	06/01/12												
AD5	06/01/12												
AD6	06/06/12												
AD7	06/01/12												
AD8	06/01/12												
AF1	06/01/12												
AF2	06/07/12												
AF3	06/07/12												
AF4	06/07/12												
AF5	06/07/12												
AF6	06/07/12												
AF7	06/07/12												
AF8	06/07/12												
AG1	06/06/12												
AG2	06/07/12												
AG3	06/08/12												
AG4	06/08/12												
AG5	06/08/12												
AG6	06/08/12												
AG7	06/08/12												
AG8	06/08/12												
AH1	06/07/12												

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Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
AH2	06/08/12												
AH3	06/12/12		06/15/12	Center	59.0								
AH4	06/11/12		06/14/12	SW Corner	62.5	NW Corner	62.5						
AH5	06/11/12		06/14/12	SE Corner	34.7	NE Corner	59.0						
AH6	06/11/12		06/14/12	NE Corner	34.7	Center	38.2						
AH7	06/11/12		06/14/12	Center	62.5	NE Corner	62.5						
AH8	06/11/12		06/14/12	SE Corner	62.5	SW Corner	62.5						
AI1	06/08/12												
AI2	06/11/12		06/14/12	Center	62.5	NE Corner	62.5						
AI3	06/12/12		06/15/12	Center	45.1								
AI4	06/12/12		06/15/12	Center	62.5								
AI5	06/12/12		06/15/12	SW Corner	34.7								
AI6	06/12/12		06/15/12	NE Corner	55.6	Center	52.1						
AI7	06/12/12		06/15/12	NW Corner	31.3	SE Corner	48.6						
AI8	06/12/12		06/15/12	Center	62.5	SW Corner	62.5						
AJ1	06/11/12		06/14/12	Center	59.0	SW Corner	52.1	NE Corner	62.5				
AJ2	06/12/12		06/15/12	NW Corner	34.7	NW Corner	52.1						
AJ3	06/13/12		06/15/12	Center	45.1	SE Corner	34.7						
AJ4	06/13/12		06/15/12	NW Corner	62.5	SW Corner	62.5						
AJ5	06/13/12		06/15/12	SW Corner	41.7	NE Corner	62.5						
AJ6	06/13/12		06/15/12	Center	62.5	SW Corner	52.1						
AJ7	06/13/12		06/15/12	NE Corner	55.6	SE Corner	38.2						
AJ8	06/13/12		06/15/12	SW Corner	62.5	NW Corner	62.5						
AK1	06/12/12		06/15/12	Center	41.7	NW Corner	62.5						
AK2	06/13/12		06/15/12	NW Corner	27.8	NE Corner	34.7						
AK3	06/14/12												
AK4	06/14/12												
AK5	06/14/12												
AK6	06/14/12												
AK7	06/14/12												
AK8	06/14/12												
AL1	06/13/12		06/15/12	Center	59.0	SW Corner	24.3						
AL2	06/14/12												
AL3	06/15/12		06/18/12	Center	45.1								
AL4	06/15/12		06/18/12	Center	62.5								
AL5	06/15/12		06/18/12	Center	62.5								

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Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
AL6	06/15/12		06/18/12	SW Corner	52.1	NE Corner	59.0						
AL7	06/15/12		06/18/12	NE Corner	62.5	NW Corner	62.5						
AL8	06/15/12		06/18/12	SE Corner	38.2	Center	59.0						
AM1	06/14/12												
AM2	06/15/12		06/18/12	SW Corner	52.1	NE Corner	55.6						
AM3	06/15/12		06/18/12	SE Corner	55.6	Center	45.1						
AM4	06/18/12		06/21/12	SW Corner	41.7	SE Corner	62.5						
AM5	06/18/12		06/21/12	Center	31.3	NE Corner	41.7						
AM6	06/18/12		06/21/12	SE Corner	62.5	Center	62.5						
AM7	06/18/12		06/21/12	NE Corner	52.1	SW Corner	62.5						
AM8	06/18/12		06/21/12	NW Corner	62.5	SE Corner	62.5						
AN1	06/15/12		06/18/12	Center	62.5	SW Corner	62.5						
AN2	06/18/12		06/21/12	Center	55.6								
AN3	06/18/12		06/21/12	Center	52.1								
AN4	06/19/12		06/22/12	Center	48.6								
AN5	06/19/12		06/22/12	SW Corner	62.5								
AN6	06/19/12		06/22/12	Center	62.5								
AN7	06/19/12		06/22/12	SE Corner	52.1								
AN8	06/19/12		06/22/12	NW Corner	55.6	NE Corner	45.1						
AO1	06/18/12		06/21/12	Center	34.7								
AO2	06/19/12		06/22/12	Center	55.6	SE Corner	48.6						
AO3	06/19/12		06/22/12	NE Corner	38.2	NW Corner	31.3						
AO4	06/20/12		06/22/12	NE Corner	41.7	SW Corner	38.2						
AO5	06/20/12		06/22/12	SW Corner	27.8	NE Corner	17.4						
AO6	06/20/12		06/22/12	Center	34.7								
AO7	06/20/12		06/22/12	SE Corner	38.2	NE Corner	34.7						
AO8	06/20/12		06/22/12	SE Corner	24.3	NW Corner	20.8						
AP1	06/19/12		06/22/12	NE Corner	24.3	SW Corner	41.7						
AP2	06/20/12		06/22/12	SW Corner	48.6	NE Corner	24.3						
AP3	06/21/12												
AP4	06/21/12												
AP5	06/21/12												
AP6	06/21/12												
AP7	06/21/12												
AP8	06/21/12												
AU1	06/19/12		06/22/12	NE Corner	62.5	SW Corner	62.5						

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
AU2	06/19/12		06/22/12	Center	55.6	NE Corner	38.2						
AU3	06/25/12												
AU4	06/26/12												
AU5	06/29/12												
AU6	06/29/12												
AV1	06/14/12												
AV2	06/18/12		06/21/12	Center	62.5								
AV3	06/18/12		06/21/12	Center	62.5								
AV4	06/19/12		06/22/12	NE Corner	34.7	SW Corner	20.8						
AV5													
AQ1	06/20/12		06/26/12	Center	41.7	SW Corner	48.6						
AQ2	06/21/12												
AQ3	06/21/12												
AQ4	06/22/12		06/25/12	Center	62.5	SW Corner	62.5						
AQ5	06/22/12		06/25/12	SW Corner	59.0	NE Corner	62.5						
AQ6	06/22/12		06/25/12	NW Corner	52.1	SW Corner	55.6						
AQ7	06/22/12		06/25/12	SW Corner	41.7	NE Corner	38.2						
AQ8	06/22/12		06/25/12	NE Corner	52.1	NW Corner	48.6						
AR1	06/21/12												
AR2	06/22/12		06/25/12	Center	55.6	NW Corner	52.1						
AR3	06/22/12		06/25/12	NE Corner	45.1	Center	41.7						
AR4	06/25/12		06/28/12	SE Corner	62.5								
AR5	06/25/12		06/28/12	NE Corner	62.5								
AR6	06/25/12		06/28/12	Center	34.7								
AR7	06/25/12		06/28/12	NW Corner	38.2								
AR8	06/25/12		06/28/12	SW Corner	55.6								
AS1	06/22/12		06/25/12	Center	62.5								
AS2	06/25/12		06/28/12	NW Corner	62.5	NE Corner	62.5						
AS3	06/25/12		06/28/12	SW Corner	38.2	SE Corner	41.7						
AS4	06/26/12		06/29/12	Center	62.5								
AS5	06/26/12		06/29/12	Center	48.6	SW Corner	55.6						
AS6	06/26/12		06/29/12	NE Corner	34.7	NW Corner	52.1						
AS7	06/26/12		06/29/12	NW Corner	38.2	SE Corner	34.7						
AS8	06/27/12		06/30/12	Center	55.6	NE Corner	52.1	NE Corner	59.0				
AT1	06/25/12		06/28/12	SE Corner	55.6	SW Corner	59.0						
AT2	06/26/12		06/29/12	SW Corner	34.7	Center	24.3						

TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
AT3	06/26/12		06/29/12	Center	52.1	NE Corner	59.0						
AT4	06/27/12		06/30/12	SW Corner	62.5	SE Corner	62.5	Center	59.0				
AT5	06/27/12		06/30/12	NE Corner	48.6	Center	31.3	Center	52.1				
AT6	06/27/12		06/30/12	SE Corner	34.7	SW Corner	55.6	NE Corner	59.0				
AT7	06/28/12		06/30/12	NE Corner	34.7	SE Corner	27.8	Center	52.1				
AT8	06/28/12		06/30/12	NE Corner	24.3	SW Corner	34.7	SE Corner	55.6				
AT9	06/28/12		06/30/12	SW Corner	31.3	NE Corner	52.1	Center	48.6				
AT10	06/28/12		06/30/12	Center	48.6	NE Corner	41.7	NW Corner	27.8				
AT11	06/28/12		06/30/12	NE Corner	24.3	Center	31.3						
UD1	06/29/12												
UD2	06/28/12		06/30/12	Center	31.3								
UD3	06/29/12												
AE1	05/31/12												
AE2	06/06/12												
AE3	06/06/12												
AE4	06/06/12												
AE5	06/06/12												
AE6	06/06/12												
AE7	06/06/12												
AE8	06/06/12												
AA1	05/23/12		05/25/12	NE Corner	62.5	NW Corner	52.0						
AA2	05/25/12												
AA3	05/29/12		06/01/12	Center	62.5								
AA4	05/29/12		06/01/12	Center	38.2								
AA5	05/29/12		06/01/12	Center	62.5								
AA6	05/29/12		06/01/12	SW Corner	62.5								
AA7	05/29/12		06/01/12	NE Corner	62.5								
AA8	05/29/12		06/01/12	NW Corner	62.5								
AW1	05/30/12		06/01/12	Center	62.5								
AW2	06/14/12												
AW3	06/12/12		06/15/12	NW Corner	62.5	SW Corner	62.5						
AW4	06/08/12												
AX1	05/29/12		06/01/12	SW Corner	41.7								
AY1	05/24/12												
AY2	05/25/12												
AY3	05/25/12												

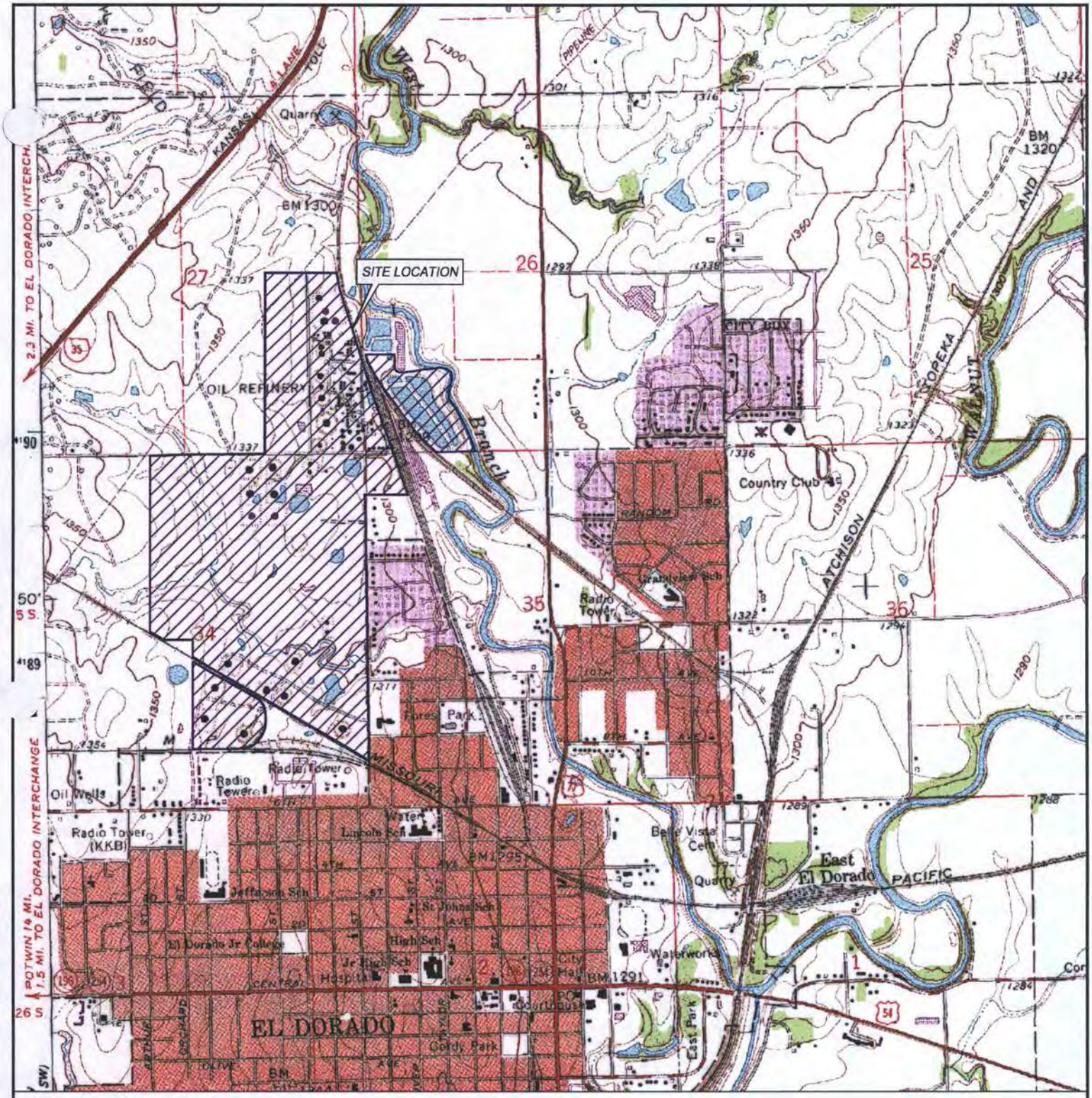
TABLE 6-2
Pond Sediment Stabilization Daily Field Log
Former El Dorado Refinery, El Dorado, Kansas

Stabilization Cell Identification Number	Mixing Date(s)		QA/QC Testing										
			Grid Hand Penetrometer Results										
	Date Mixed	Date Re-mixed	Test Date	Sample #1	Result (psi)	Sample #2	Result (psi)	Sample #3	Result (psi)	Sample #4	Result (psi)	Sample #5	Result (psi)
AZ1	05/18/12		05/21/12	Center	62.5								
AZ2	05/21/12		05/25/12	Center	48.6								
AZ3	05/21/12		05/25/12	Center	55.6								
BA1	05/17/12												
BA2	05/18/12		05/21/12	Center	62.5								
BABBBCAZ1	05/22/12		05/25/12	SE Corner	62.5	SW Corner	52.1						
BABBBCAZ2	05/22/12		05/25/12	NE Corner	62.5	NW Corner	41.7						
BABBBCAZ3	05/24/12		05/25/12	Center	38.2	SE Corner	24.3						
BABBBCAZ4	05/23/12		05/25/12	SW Corner	62.5	SE Corner	62.5						
BABBBCAZ5	05/25/12												
BABBBCAZ6	05/29/12		06/01/12	Center	55.6								
BABBBCAZ7	05/29/12		06/01/12	Center	62.5								
BABBBCAZ8	05/30/12		06/01/12	SW Corner	45.1								
BABBBCAZ9	05/30/12		06/01/12	Center	62.5								
BABBBCAZ10	06/12/12		06/15/12	SE Corner	55.6	NW Corner	62.5						
BABBBCAZ11	06/13/12		06/15/12	NW Corner	41.7	SW Corner	52.1						
BABBBCAZ12	06/22/12												
BABBBCAZ13	06/25/12		06/28/12	NW Corner	27.8	NE Corner	55.6						
BABBBCAZ14	06/25/12		06/28/12	SE Corner	59.0	SW Corner	52.1						
BABBBCAZ15	06/26/12		06/29/12	NW Corner	62.5	SE Corner	62.5						
BABBBCAZ16	06/26/12		06/29/12	SW Corner	62.5	Center	45.1						
BABBBCAZ17	06/27/12		06/30/12	NE Corner	62.5	NW Corner	52.1	SE Corner	59.0				
BABBBCAZ18	06/27/12		06/30/12	NE Corner	62.5								
BB2	05/17/12												
BB1	05/16/12		05/18/12	Center	48.6								
BC2	05/16/12		05/18/12	Center	41.7								
BC1	05/15/12		05/18/12	Center	62.5								

Notes:
ft = feet
cf = cubic feet
cy = cubic yards
% = per cent
psi = pounds per s

FIGURES

MWH



SOURCE: U.S.G.S. 7.5' QUAD SHEET
EL DORADO, KANSAS
PHOTOREVISED 1979

SCALE

0 1,000' 2,000'

SCALE IN FEET

DESIGNED BY	M. WARNER	01/13
DRAWN BY	M. WARNER	01/13
CHECKED BY	C. PHILIPS	01/13
APPROVED BY	J. GARNSEY	01/13
PROJECT MANAGER	J. GARNSEY	01/13
CLIENT APPROVAL	B. KELLMANN	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: SITE LOCATION MAP

MWH

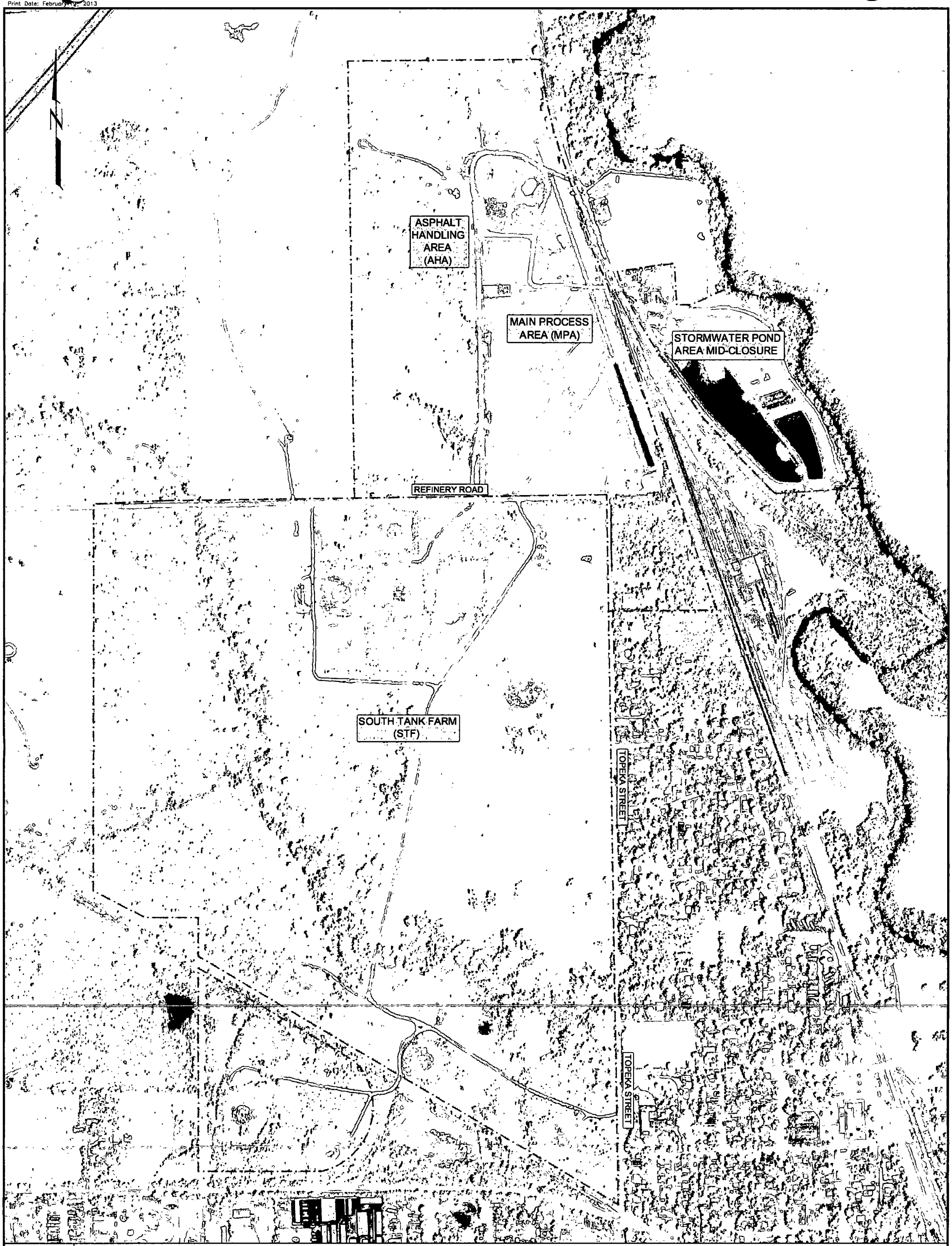
FIGURE: 1-1

REVISION: 1

FILE NAME: El Dorado Site Map.dwg

Print Date: February 19,

Print Date: February 12, 2013



TITLE

SITE PLAN

LEGEND

PROPERTY BOUNDARY

SCALE

0 300' 600'

SCALE, IN FEET

FIGURE

1-2

DESIGNED BY	M. WARNER	02/13
DRAWN BY	M. WARNER	02/13
CHECKED BY	C. PHILIPS	02/13
APPROVED BY	J. GARNSEY	02/13
PROJECT MANAGER	J. GARNSEY	02/13
CLIENT APPROVAL	B. KELLMANN	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: SITE PLAN

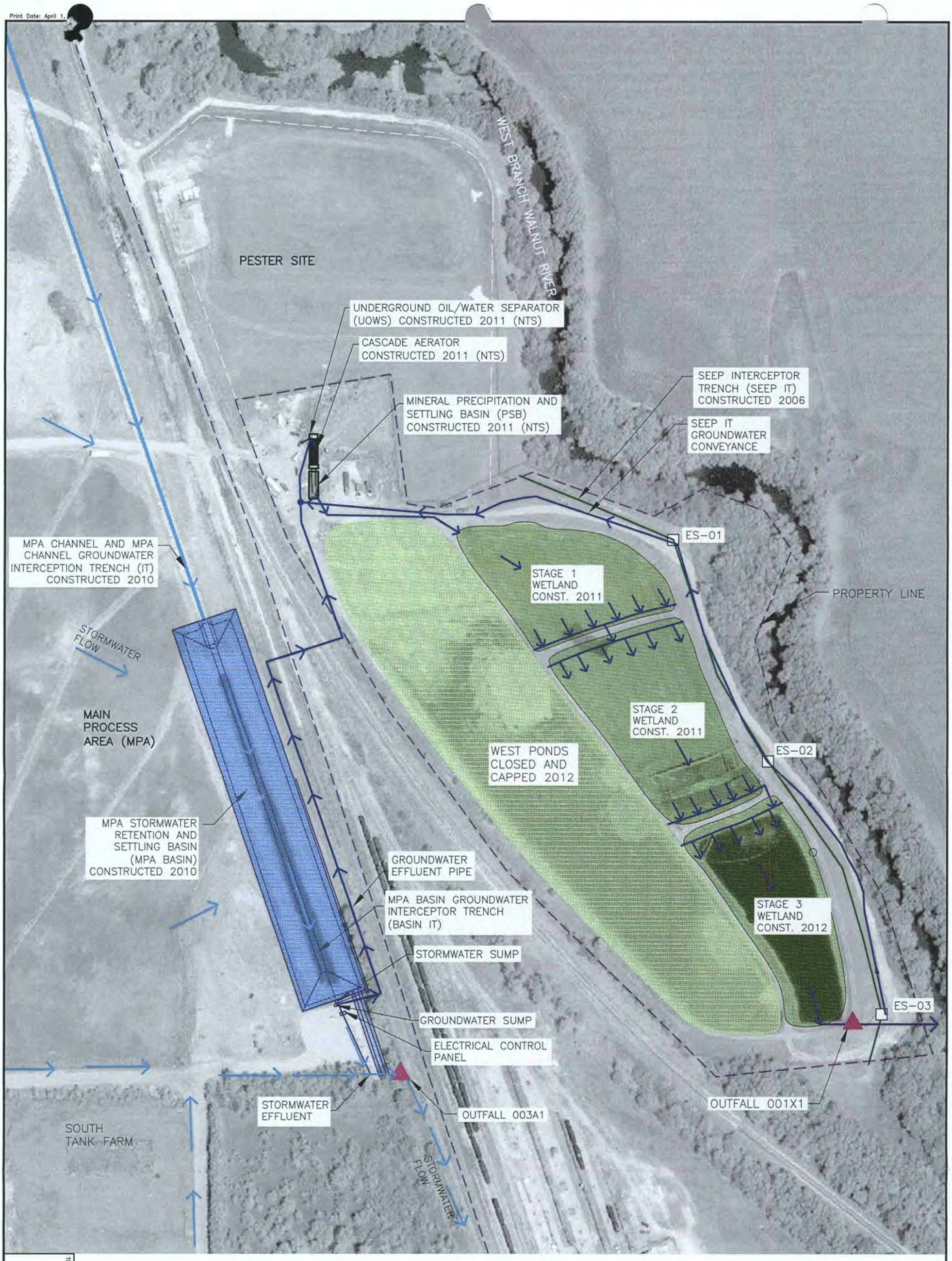
MWH

FIGURE: 1-2

REVISION: 1

FILE NAME: El Dorado Site Plan.dwg

Print Date: April 1,



TITLE

APRIL 2013
PROCESS FLOW MAP

LEGEND

PZ-03	EXISTING IN-TRENCH PIEZOMETER
ES-01	EXISTING EXTRACTION SUMP
	INTERCEPTOR TRENCH ALIGNMENT
	PROPERTY LINE
IT	INTERCEPTOR TRENCH
NTS	NOT TO SCALE
	STORMWATER FLOW
	GROUNDWATER CONVEYANCE/FLOW
	OUTFALL LOCATION

SCALE

0 100 200

SCALE IN FEET

FIGURE

1-3

DESIGNED BY	W. PICKENS	04/13
DRAWN BY	M. WARNER	04/13
CHECKED BY	D. MICK	04/13
APPROVED BY	J. TEGROTENHUIS	04/13
PROJECT MANAGER	D. MICK	04/13
CLIENT APPROVAL	B. KELLMANN	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: APRIL 2013 PROCESS FLOW MAP

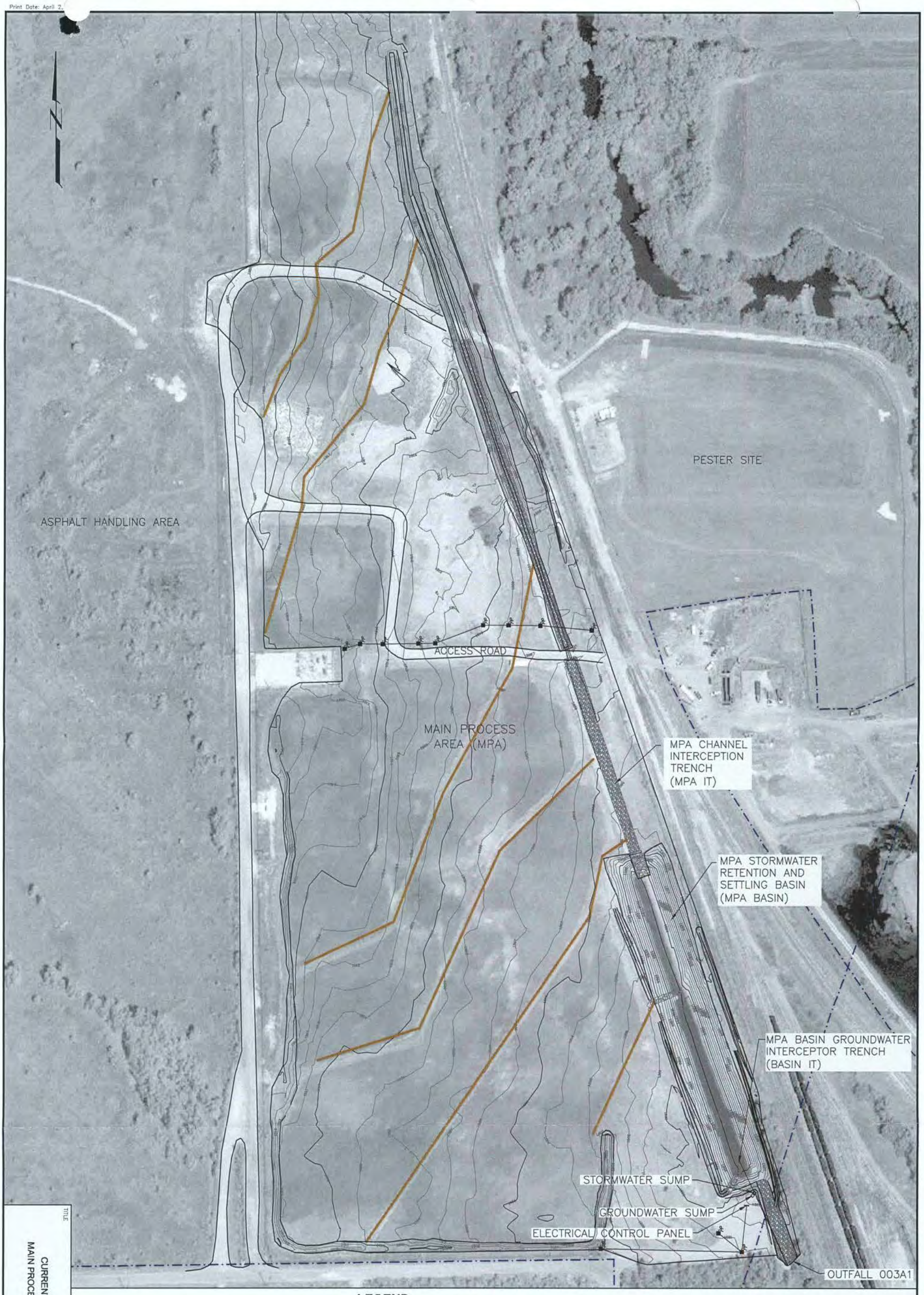
MWH

FIGURE: 1-3

REVISION: 1

FILE NAME: EDR Figure 1-3 Process Flow.dwg

Print Date: April 2.



LEGEND

PROPERTY BOUNDARY

OVERHEAD ELECTRIC AND POWER POLE

STONE RIPRAP

STORMWATER SWALE / TERRACE

SCALE

0 100' 200'

SCALE IN FEET

TITLE

CURRENT SITE PLAN
MAIN PROCESS AREA (MPA)

FIGURE

3-1

DESIGNED BY	M. WARNER	04/13
DRAWN BY	M. WARNER	04/13
CHECKED BY	C. PHILIPS	04/13
APPROVED BY	S. KLAUS	04/13
PROJECT MANAGER	D. MICK	04/13
CLIENT APPROVAL	L. SUSTAITA	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: CURRENT SITE PLAN
MAIN PROCESS AREA (MPA)

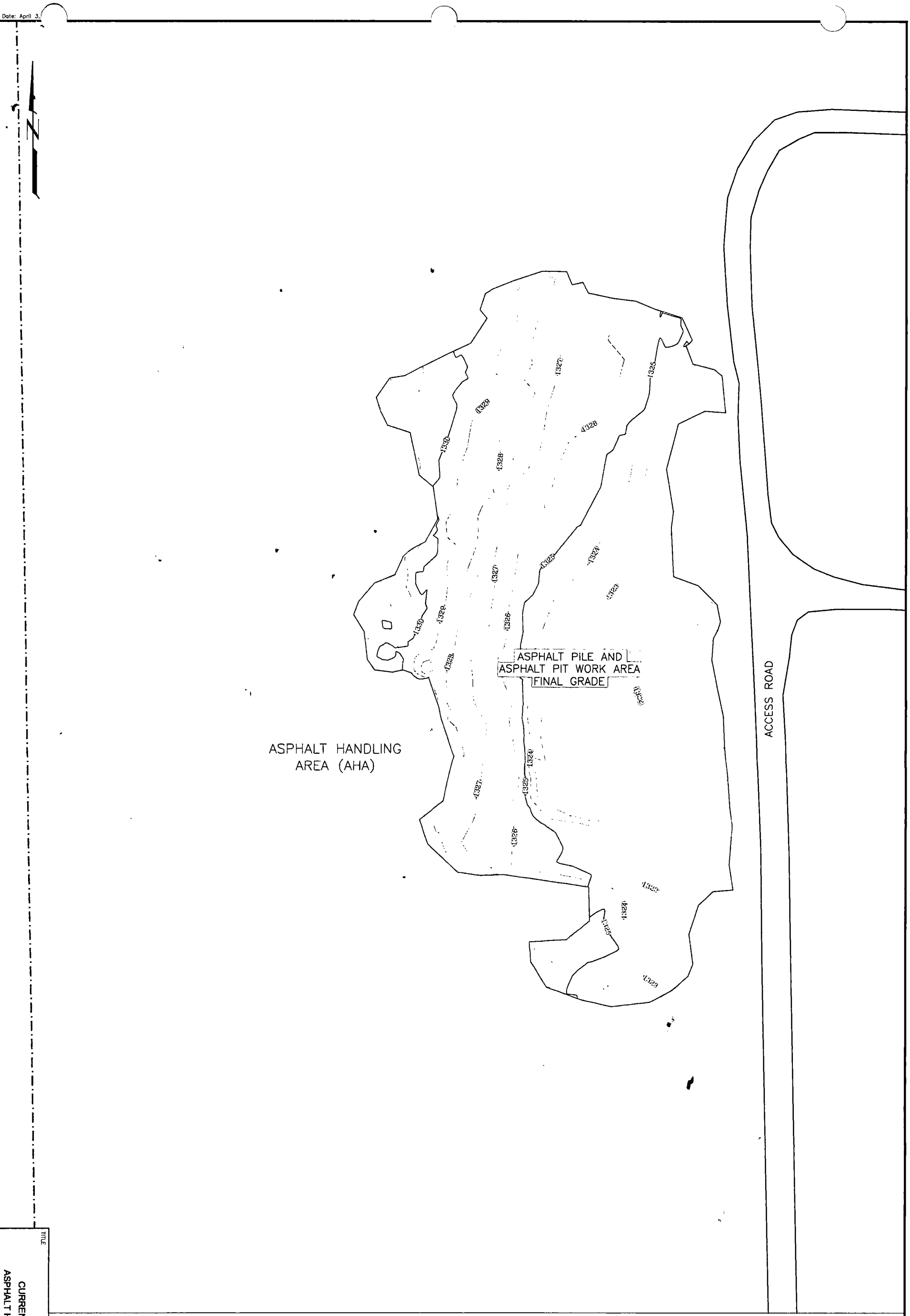
MWH

FIGURE: 3-1

REVISION: 1

FILE NAME: Current Site Plan - MPA.dwg

Print Date: April 3,



LEGEND

PROPERTY BOUNDARY

SCALE

0 50' 100'

SCALE IN FEET

NOTE: AERIAL PHOTOGRAPH PRIOR TO REMEDIAL WORK.

TITLE

CURRENT SITE PLAN
ASPHALT HANDLING AREA

FIGURE

5-1

DESIGNED BY	M. WARNER	04/13
DRAWN BY	M. WARNER	04/13
CHECKED BY	C. PHILIPS	04/13
APPROVED BY	S. KLAUS	04/13
PROJECT MANAGER	D. MICK	04/13
CLIENT APPROVAL	L. SUSTAITA	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: CURRENT SITE PLAN
ASPHALT HANDLING AREA

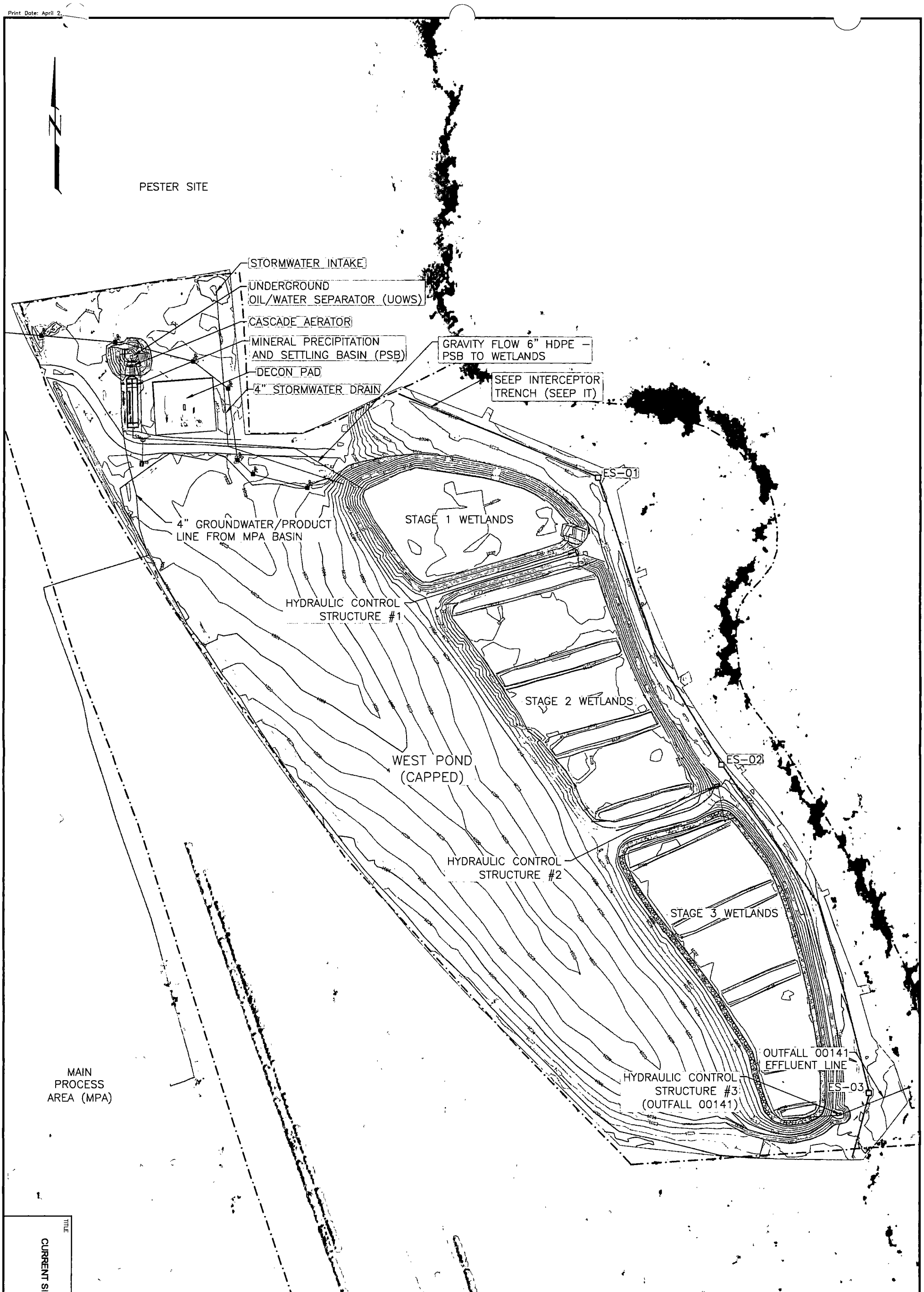
MWH

FIGURE: 5-1

REVISION: 1

FILE NAME: Current Site Plan - AHA.dwg

Print Date: April 2,



LEGEND

PROPERTY BOUNDARY

OVERHEAD ELECTRIC AND POWER POLE

STONE RIPRAP

INTERCEPTOR TRENCH

SCALE

0 75' 150'

SCALE IN FEET

TITLE

CURRENT SITE PLAN - POND AREA

FIGURE

6-1

DESIGNED BY	M. WARNER	04/13
DRAWN BY	M. WARNER	04/13
CHECKED BY	C. PHILIPS	04/13
APPROVED BY	S. KLAUS	04/13
PROJECT MANAGER	D. MICK	04/13
CLIENT APPROVAL	L. SUSTAITA	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: CURRENT SITE PLAN - POND AREA

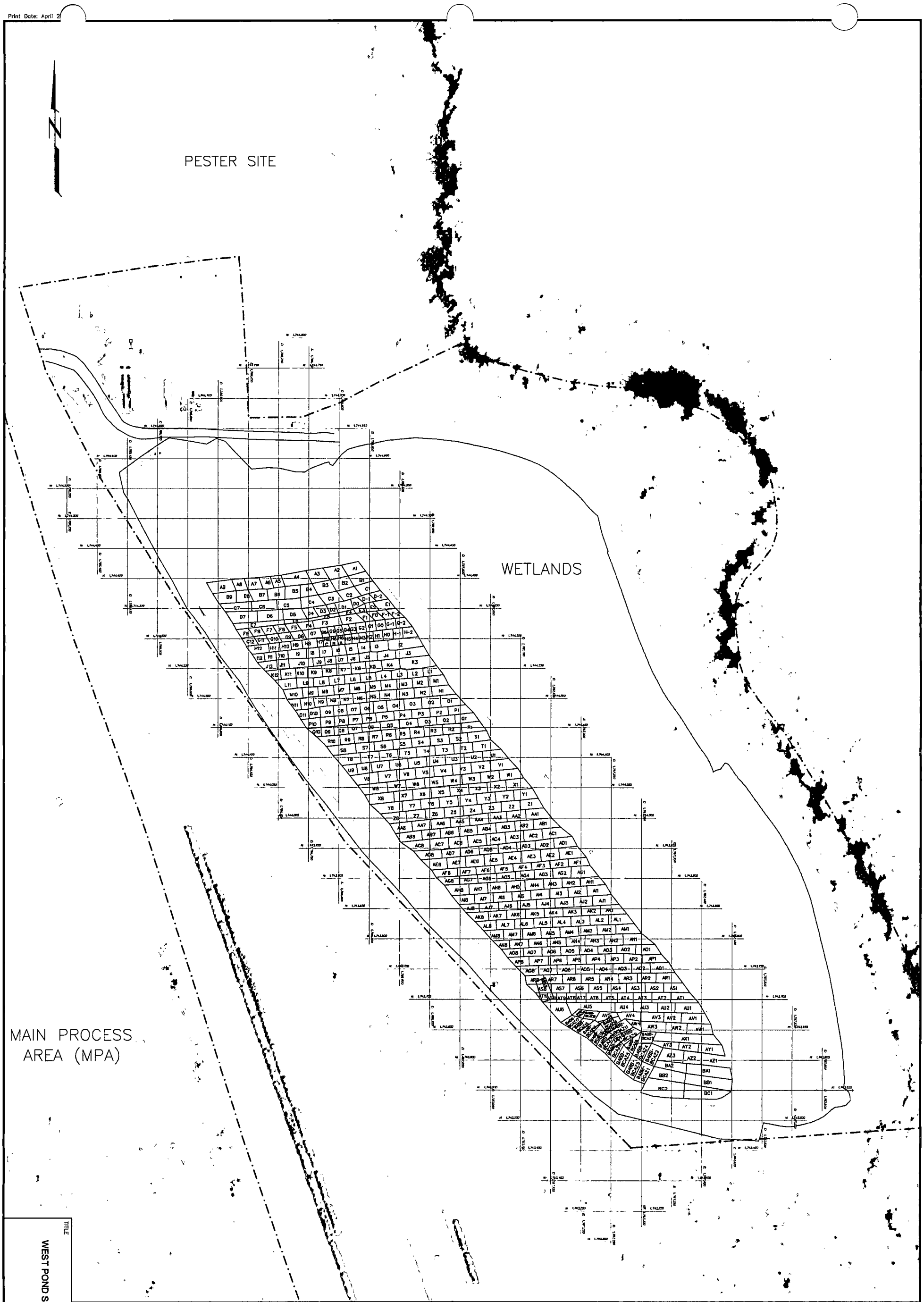
MWH

FIGURE: 6-1

REVISION: 1

FILE NAME: Current Site Plan - Pond Area.dwg

Print Date: April 2



LEGEND

PROPERTY BOUNDARY

NORTHING/EASTING – STATE PLANE, KS 1502

SCALE

0 75' 150'

SCALE IN FEET

TITLE: WEST POND STABILIZATION CELLS

FIGURE: 6-2

DESIGNED BY	M. WARNER	04/13
DRAWN BY	M. WARNER	04/13
CHECKED BY	C. PHILIPS	04/13
APPROVED BY	S. KLAUS	04/13
PROJECT MANAGER	D. MICK	04/13
CLIENT APPROVAL	L. SUSTAITA	
CLIENT REFERENCE NO		

KINDER MORGAN

PROJECT LOCATION: EL DORADO REFINERY, EL DORADO, KS

PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO

TITLE: WEST POND STABILIZATION CELLS

MWH

FIGURE: 6-2

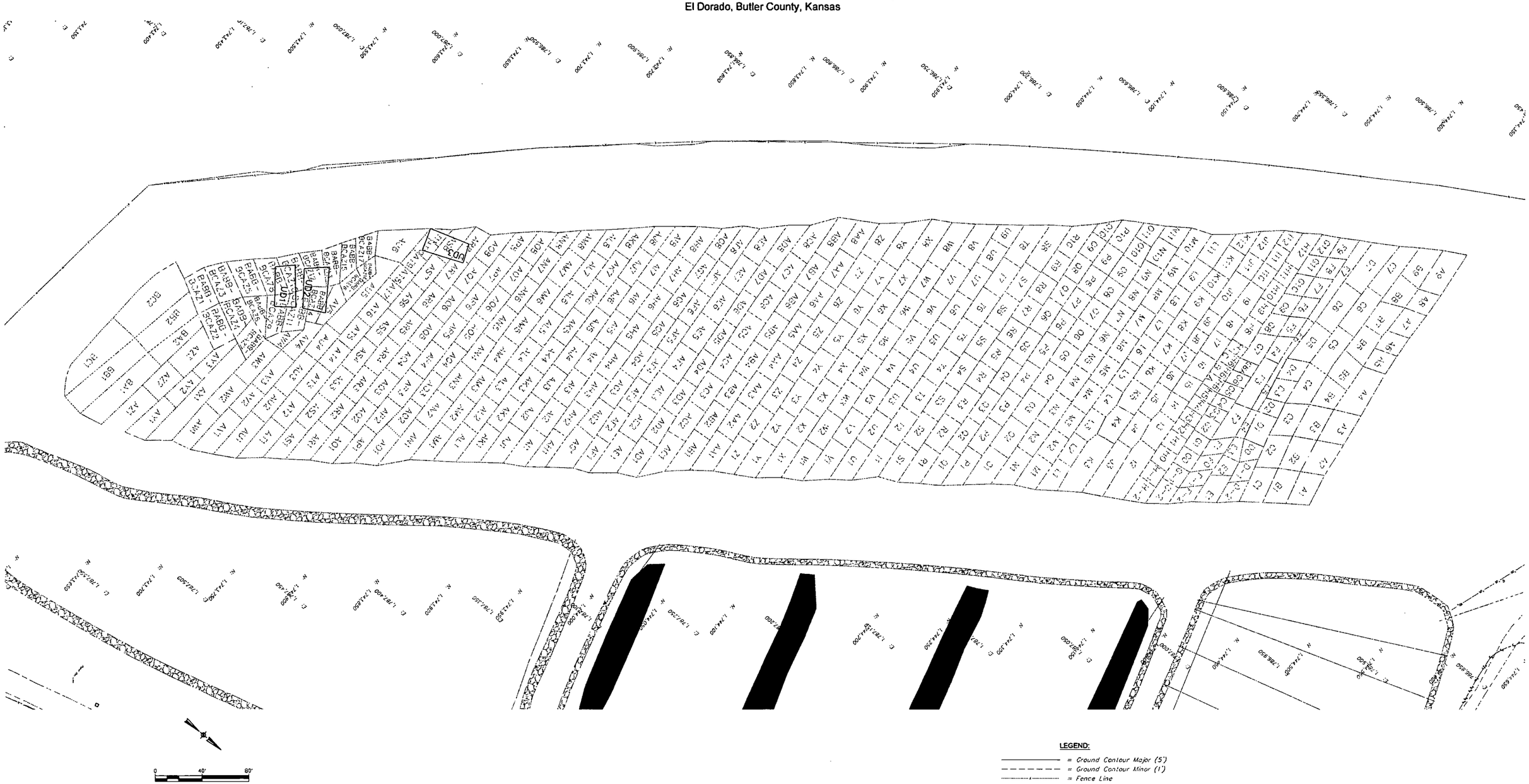
REVISION: 1

FILE NAME: West Pond Stabilization Cells.dwg

APPENDIX A
AS-BUILT DRAWINGS

MWH

As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas



LEGEND:

- = Ground Contour Major (5')
- = Ground Contour Minor (1')
- = Fence Line
- = Edge of Gravel
- = Overhead Electric Line
- = Storm Water Drain (Location per RECON)
- = Electrical Line (Location per RECON)
- = Edge of Gravel
- = Edge of Concrete
- = Rip Rap
- = Clean Out
- = Clean Out (Location per RECON)
- = Guy Wire
- = Electrical Box
- = Light Pole
- = Utility Pole

RECON
9977 W. Sam Houston Parkway N
Suite 100
Houston, TX 77064
P: 281-955-2442
F: 281-890-5172

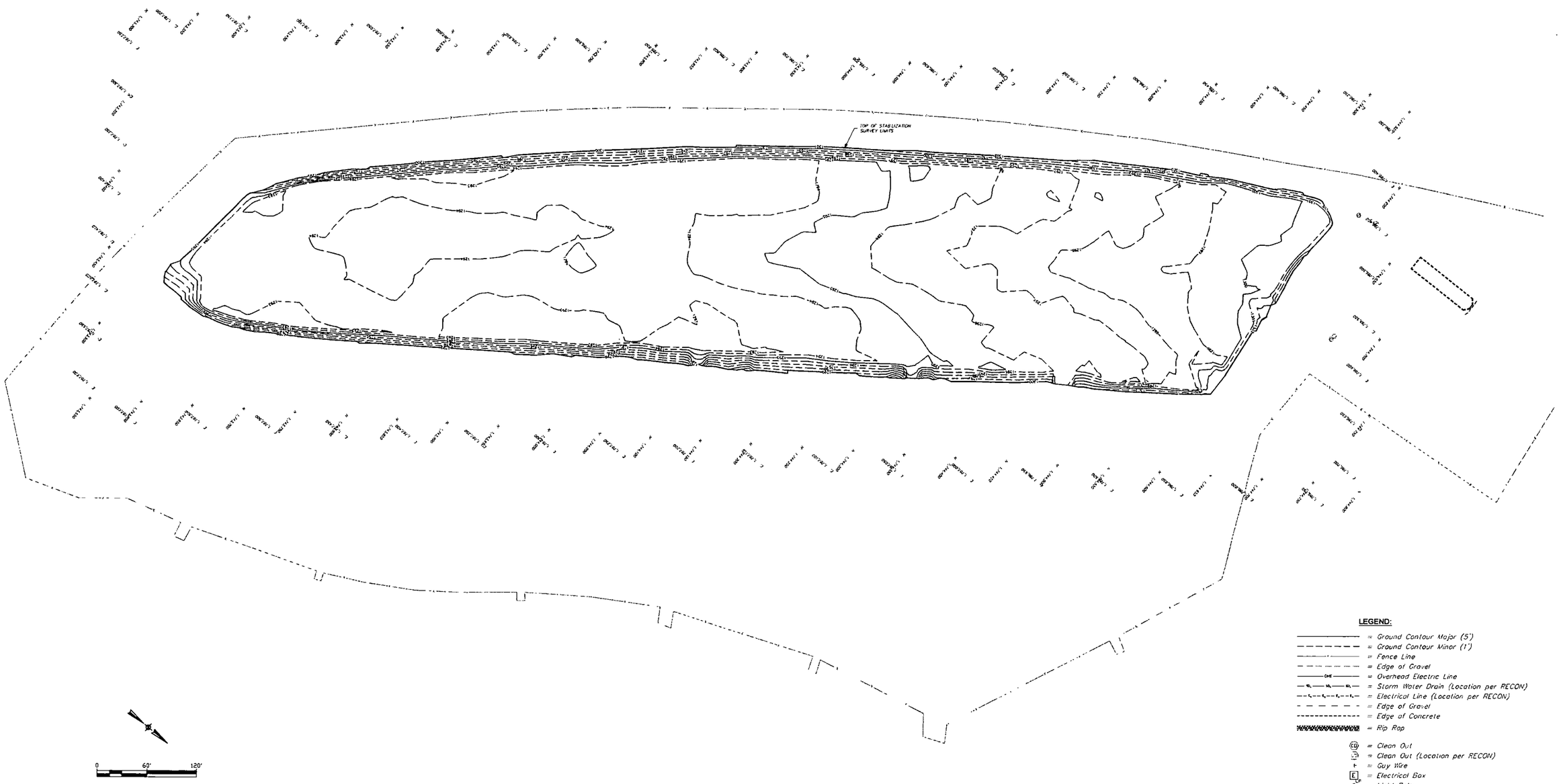
MERESTONE SURVEYING COMPANY
450 N 159th St East, Ste A
Wichita, KS 67230
P: 316 425 7770
F: 316 425 7773
www.merestoneks.com

Date	12/14/2012	Approved by:	BLP
Drawn by:	TPH	Scale:	AS NOTED
Sheet: 1 of 7			

Rev. #	By:	Date	Description
–			
–			
–			

KINDER MORGAN (EL PASO) SITE
FORMER EL DORADO REFINERY
AS-BUILT SURVEY
As-Built Stabilization Grid (BY RECON)

As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas

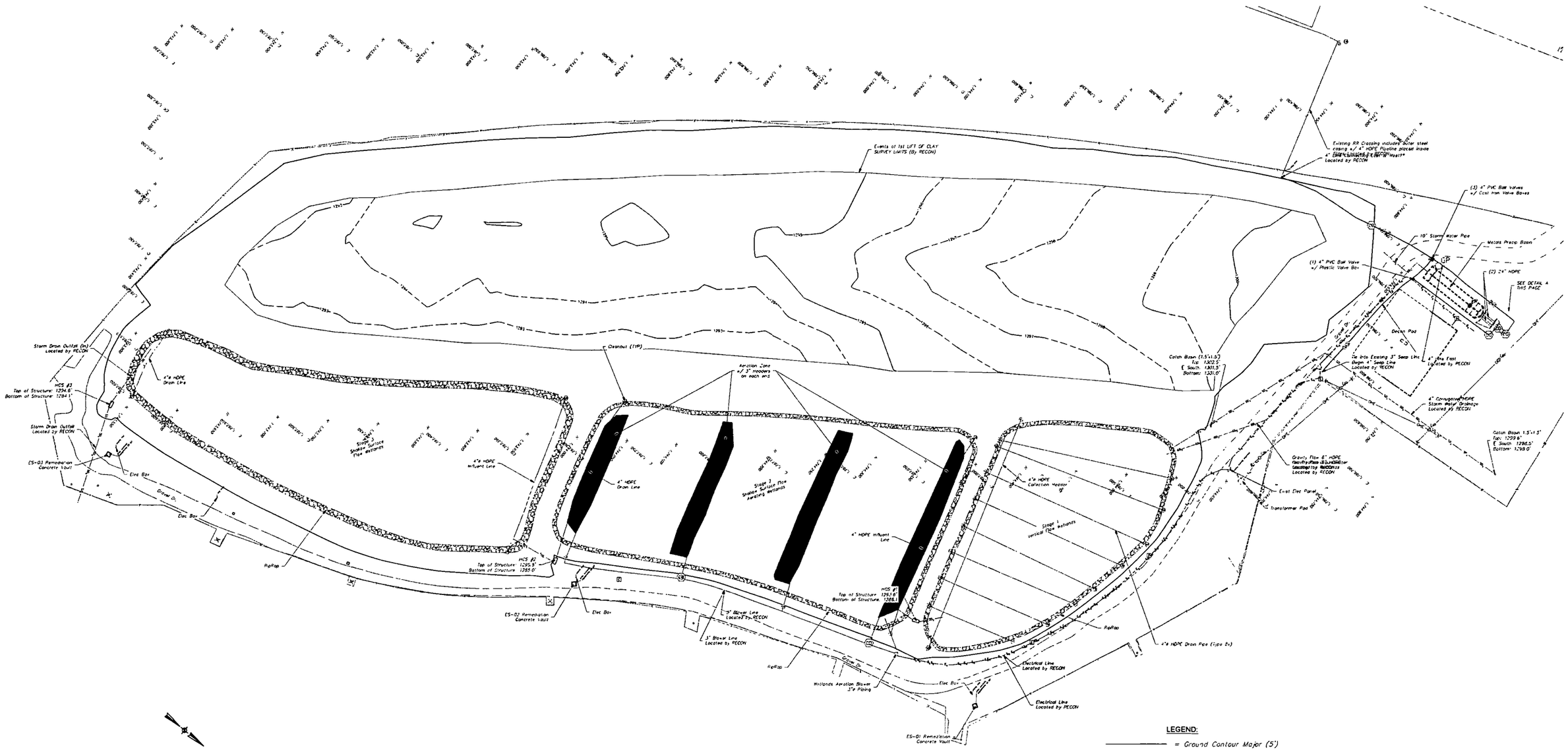


LEGEND:

- = Ground Contour Major (5')
- = Ground Contour Minor (1')
- = Fence Line
- = Edge of Gravel
- = Overhead Electric Line
- = Storm Water Drain (Location per RECON)
- = Electrical Line (Location per RECON)
- = Edge of Gravel
- = Edge of Concrete
- = Rip Rap
- = Clean Out
- = Clean Out (Location per RECON)
- = Guy Wire
- = Electrical Box
- = Light Pole
- = Utility Pole

RECON	MERESTONE SURVEYING COMPANY				
9977 W. Sam Houston Parkway N. Suite 100 Houston, TX 77064 P. 281-955-2442 F. 281-890-5172	Merestone Surveying — 450 N 159th St. East, Ste A Wichita, KS 67230 P: 316.425.7770 F. 316.425.7773 www.merestoneks.com	–			
		–			
		–			
		Rev #	By:	Date.	Description
	Date. 12/14/2012 Approved by: BLP	KINDER MORGAN (EL PASO) SITE FORMER EL DORADO REFINERY AS-BUILT SURVEY As-Built Top of Stabilization			
	Drawn by: TPH Scale: AS NOTED				
	Sheet. 2 of 7				

As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas

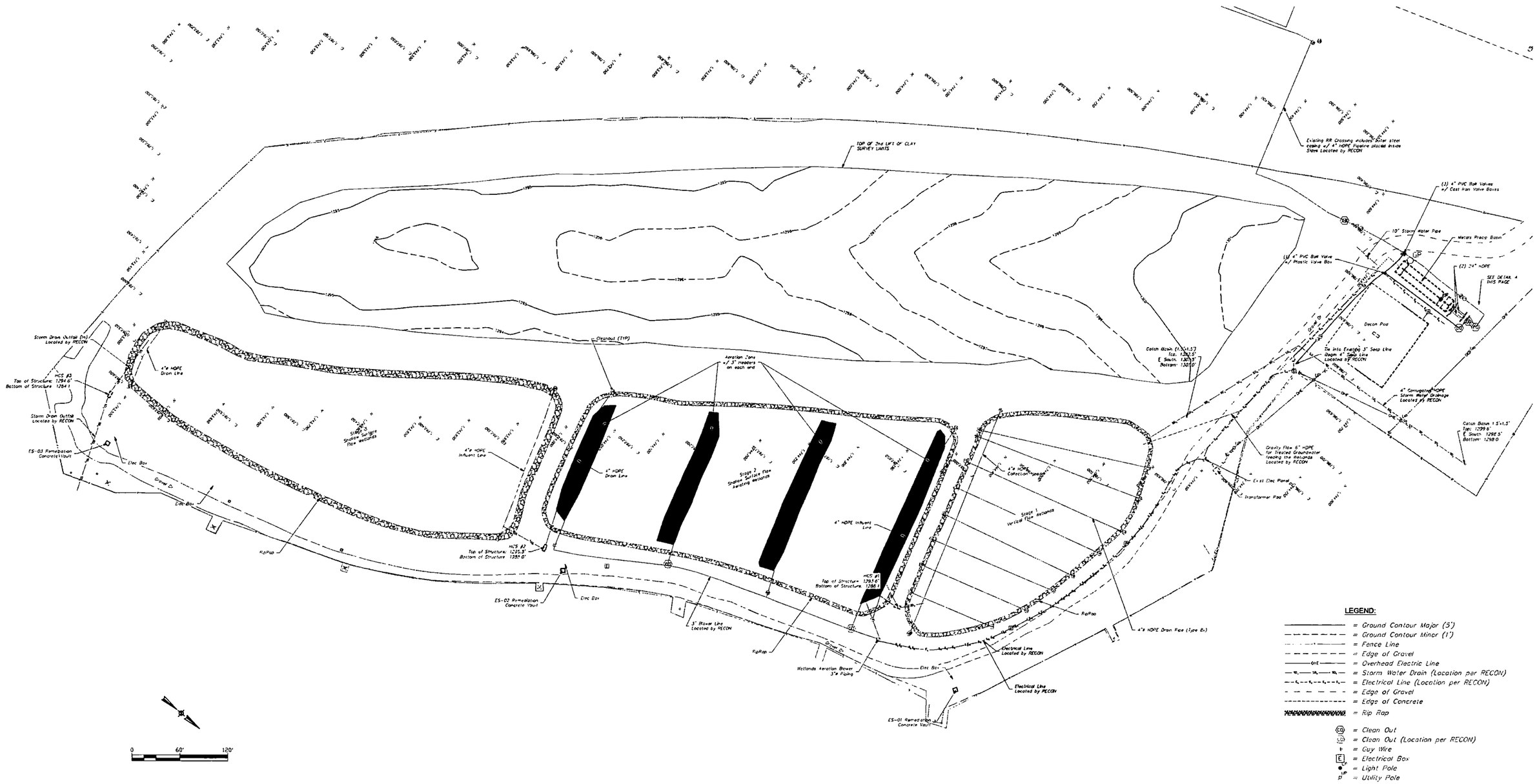


LEGEND:

- = Ground Contour Major (5')
- = Ground Contour Minor (1')
- = Fence Line
- = Edge of Gravel
- = Overhead Electric Line
- = Storm Water Drain (Location per RECON)
- = Electrical Line (Location per RECON)
- = Clean Out (Location per RECON)

RECON 9977 N. Sam Houston Parkway N. Suite 100 Houston, TX 77064 P: 281-955-2442 F. 281-890-5172	**MERESTONE SURVEYING COMPANY** 450 N 159th St. East, Ste A Wichita, KS 67230 P. 316 425 7770 F: 316 425 7773 www.merestoneks.com Merestone Surveying	Rev. # / By: / Date: / Description – / / / / – / / / / – / / / /	KINDER MORGAN (EL PASO) SITE FORMER EL DORADO REFINERY AS-BUILT SURVEY As-Built Top of West Pond 1st Cap
	Date: 4/2/2013 Approved by: BLP Drawn by: TPH Scale: AS NOTED Sheet: 3 of 7		

As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas

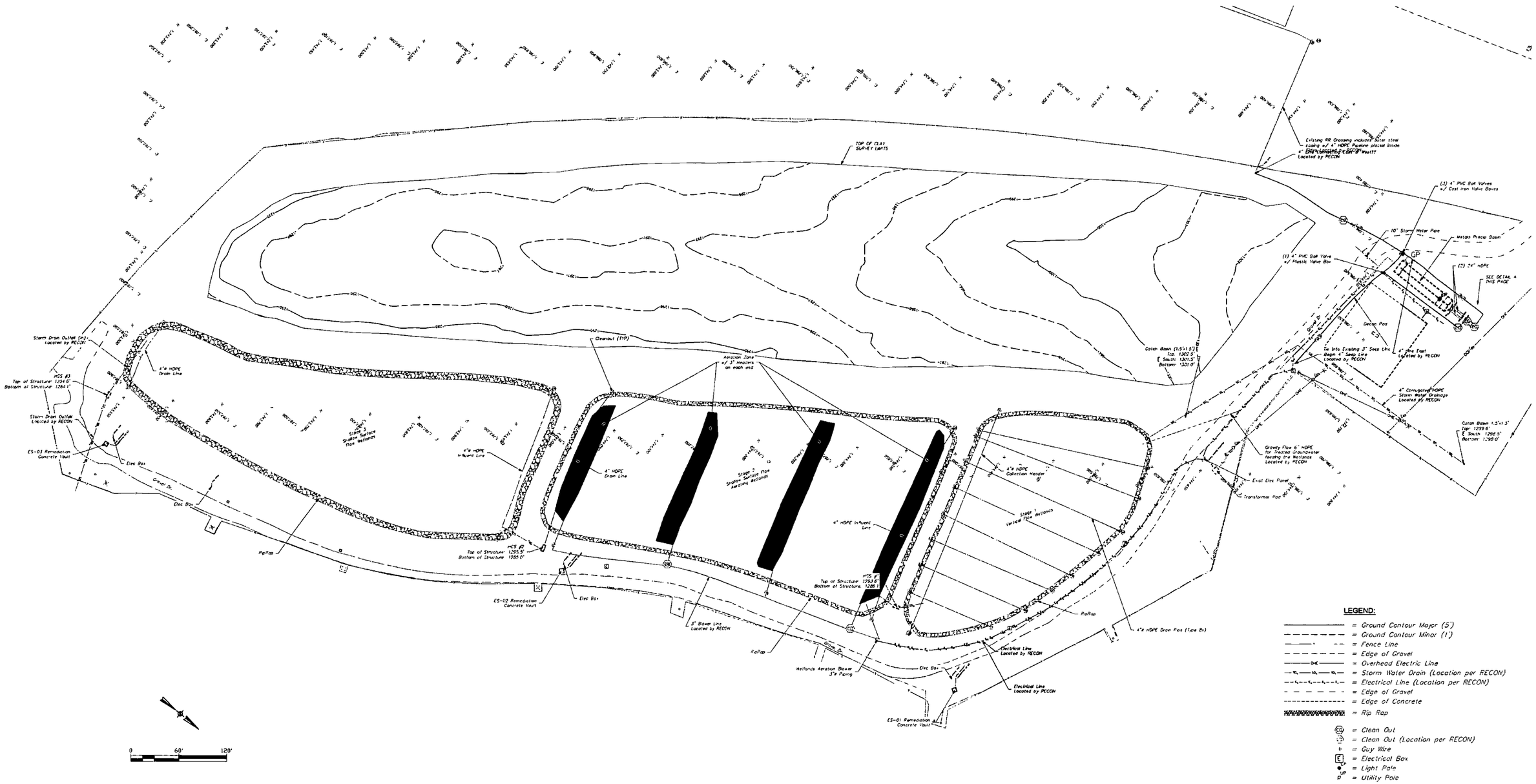


LEGEND:

- = Ground Contour Major (5')
- = Ground Contour Minor (1')
- = Fence Line
- = Edge of Gravel
- = Overhead Electric Line
- = Storm Water Drain (Location per RECON)
- = Electrical Line (Location per RECON)
- = Edge of Gravel
- = Edge of Concrete
- = Rip Rap
- = Clean Out
- = Clean Out (Location per RECON)
- = Guy Wire
- = Electrical Box
- = Light Pole
- = Utility Pole

RECON 9977 W Sam Houston Parkway N. Suite 100 Houston, TX 77064 P: 281-955-2442 F: 281-890-5172	**MERESTONE SURVEYING COMPANY** 450 N 159th St. East, Ste A Wichita, KS 67230 P: 316 425 7770 F: 316 425 7773 www.merestoneks.com	-			
		-			
		-			
		Rev. #	By:	Date:	Description
Date: 12/14/2012	Approved by: BLP	KINDER MORGAN (EL PASO) SITE FORMER EL DORADO REFINERY AS-BUILT SURVEY As-Built Top of West Pond 2nd Cap			
Drawn by: TPH	Scale: AS NOTED				
Sheet: 4 of 7					

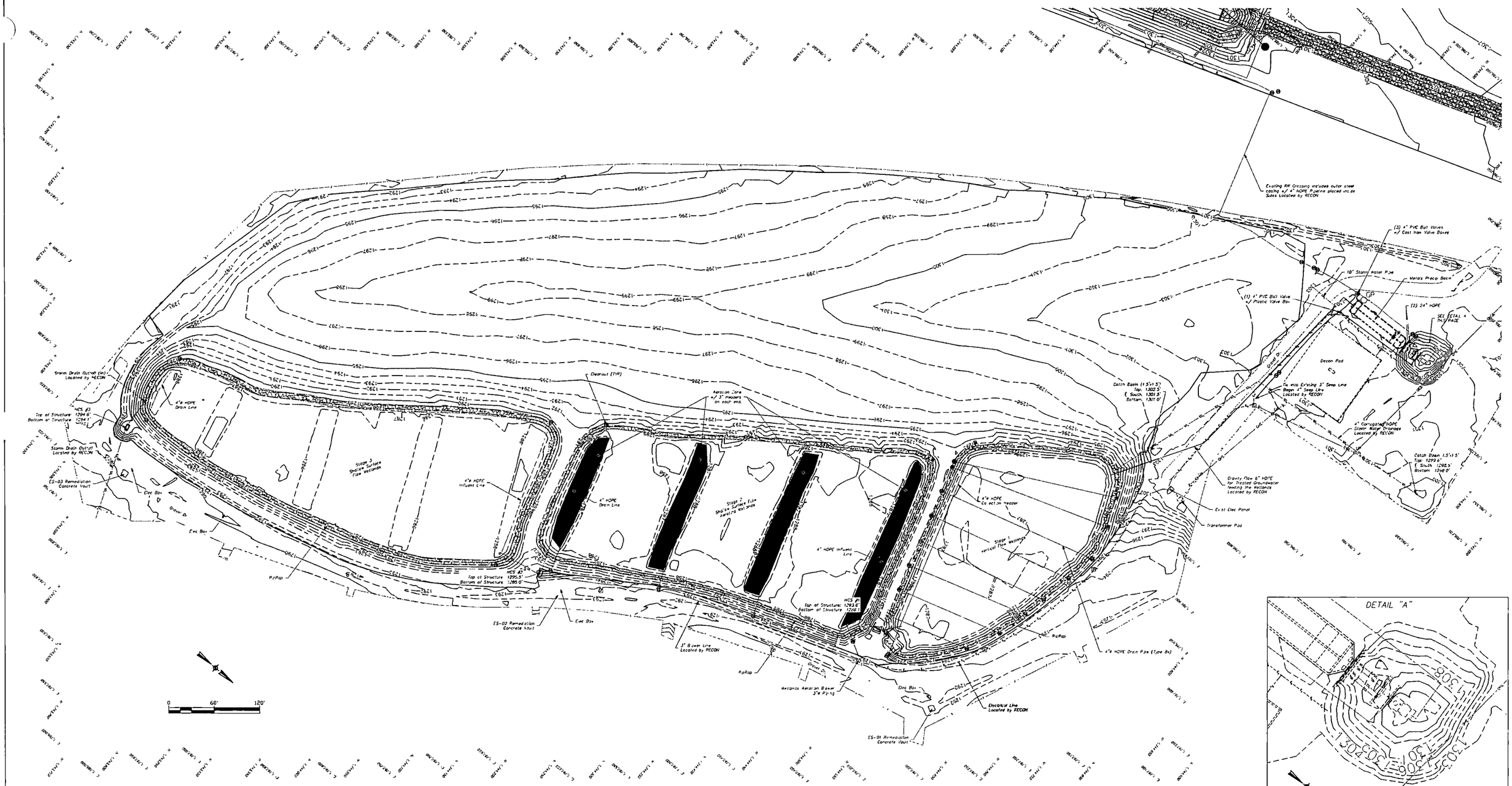
As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas

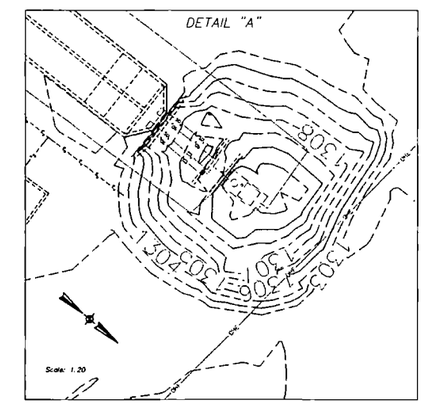


RECON	MERESTONE SURVEYING COMPANY				
9977 N Sam Houston Parkway N. Suite 100 Houston, TX 77064 P: 281-955-2442 F: 281-590-5172	Merestone Surveying — 450 N 159th St. East, Ste A Wichita, KS 67230 P: 316 425 7770 F: 316-425-7773 www.meresteneka.com			Rev. # / By: / Date / Description	
Date: 12/14/2012	Approved by: BLP				
Drawn by: TPH	Scale: AS NOTED				
Sheet 5 of 7					

KINDER MORGAN (EL PASO) SITE
FORMER EL DORADO REFINERY
AS-BUILT SURVEY
As-Built Top of West Pond Cap

As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas





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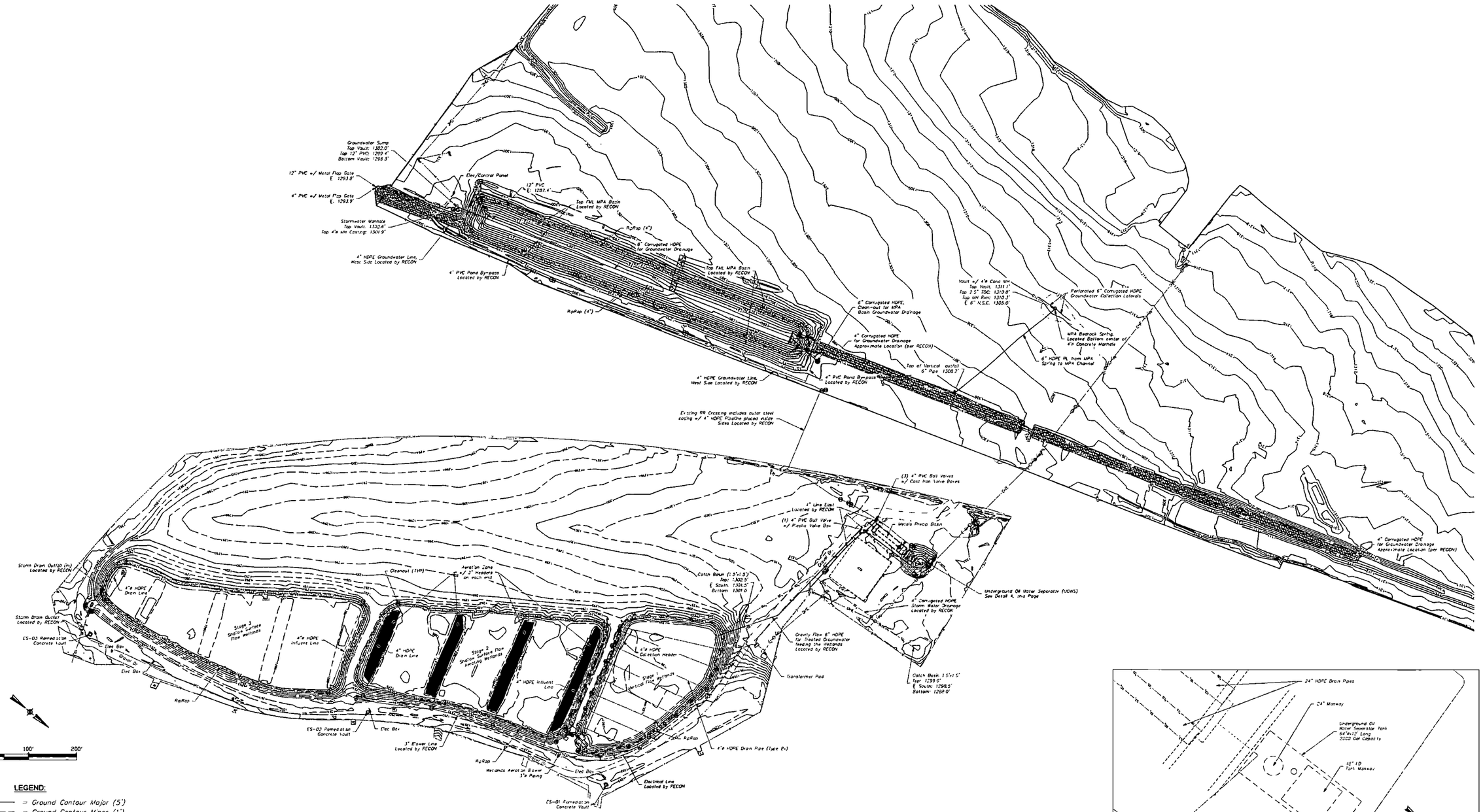
- = Fence Line
- = Edge of Gravel
- = Overhead Electric Line
- = Storm Water Drain (Location per RECON)
- = Electrical Line (Location per RECON)
- = Clean Out (Location per RECON)

RECON	MERESTONE SURVEYING COMPANY				
9977 W. Sam Houston Parkway N. Suite 100 Houston, TX 77064 P: 281-955-2442 F. 281-690-5172	450 N 159th St East, Ste. A Wichita, KS 67230 P: 316.425.7770 F: 316.425.7773 www.merestonekc.com	Rev #	By:	Date:	Description
	Date: 12/14/2012 Approved by: BLP	–			
	Drawn by: TPH Scale: AS NOTED	–			
	Sheet: 6 of 7	–			

KINDER MORGAN (EL PASO) SITE
FORMER EL DORADO REFINERY
AS-BUILT SURVEY
Final As-Built Ground (East Pond Area)

As-Built Survey of East Pond Area
Located at the Former Coastal Refinery
El Dorado, Butler County, Kansas



LEGEND:

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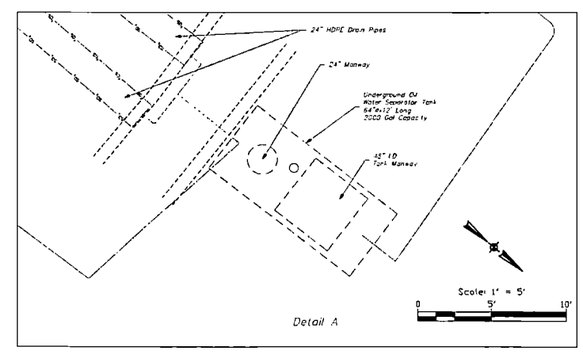
- = Edge of Concrete
- = Rip Rap
- CO = Clean Out (Location per RECON)
- = Guy Wire
- E = Electrical Box
- LP = Light Pole
- UP = Utility Pole



Detail A

RECON	MERESTONE SURVEYING COMPANY				
9977 W. Sam Houston Parkway N. Suite 100 Houston, TX 77064 P: 281-955-2442 F: 281-890-5172	Merestone Surveying	450 N 159th St. East, Ste A Wichita, KS 67230 P: 316.425.7770 F: 316.425.7773 www.merestoneks.com	–		
			–		
			–		
			Rev. #	By:	Date:	Description
	Date 12/14/2012	Approved by BLP	KINDER MORGAN (EL PASO) SITE FORMER EL DORADO REFINERY AS-BUILT SURVEY Final As-Built Ground Contours			
	Drawn by: TPH	Scale: AS NOTED				
	Sheet 7 of 7					

APPENDIX B
KDHE CORRESPONDENCE

MWH

RECEIVED
JAN 15 2006

KANSAS

RODERICK L. BREMBY, SECRETARY

KATHLEEN SEBELIUS, GOVERNOR

DEPARTMENT OF HEALTH AND ENVIRONMENT

January 12, 2006

Jennifer Allender
Project Manager
Environmental Remediation
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Second Phase Environmental Investigation
Former Coastal Refinery, El Dorado, Kansas

Dear Ms. Allender:

The Kansas Department of Health and Environment–Bureau of Environmental Remediation (KDHE–BER) has completed our review of the October 2005 *Second Phase Environmental Investigation Report* (Phase 2 Report) for the former Coastal Refinery Site in El Dorado, Kansas. The Phase 2 Report was prepared by MWH Americas, Inc. (MWH) on behalf of the El Paso Corporation (EPC). As articulated during our October 26, 2005 meeting in Topeka, the report provides an overall excellent summary of investigative activities conducted with an insightful evaluation of the data generated and meaningful findings/conclusions/recommendations. Based upon our review, KDHE—BER hereby accepts the Phase 2 Report as a final document for inclusion in the administrative record. While the Phase 2 Report requires no further revision, KDHE—BER has a number of general and specific comments describing additional data needs and follow-up items that must be addressed as part of the next investigative phase.

General Comments

1) As conveyed previously, the March 2003 *Risk-Based Standards for Kansas RSK Manual* (RSK Manual) states that "surface water cleanup levels shall meet the Kansas surface water quality standards as defined in K.A.R. 28-16-28(b), et seq", currently available at http://www.kdheks.gov/water/download/kwqs_plus_supporting.pdf. KDHE—BER had expected that assessment of impacts to surface water would include direct comparison of surface water data with the most stringent numeric criteria for the various use categories as adopted by reference in K.A.R. 28-16-28e(d), including several U.S. Environmental Protection Agency

(EPA) criteria for specific use categories as promulgated in 40 C.F.R. Part 131.36. In those instances where a surface water quality standard has not been established for a given parameter, then KDHE—BER recommended using EPA Region 5 Ecological Screening Levels (ESLs) available at http://www.epa.gov/Region5/rcraca/edql.htm for screening purposes.

First, based upon our review of Tables 6 through 12, as well as corresponding report narrative, it does not appear that appropriate numeric criteria were correctly identified for the following constituents (correct value shown in parentheses after constituent name): ethylene dibromide (0.05 µg/L); 1,2-dichloropropane (0.5 µg/L); benzene (5 µg/L); chlorobenzene (50 µg/L); tetrachloroethylene (3.3 µg/L); trichloroethylene (5 µg/L); 2,4-dimethylphenol (380 µg/L); 2-chloronaphthalene (1,000 µg/L); 2-chlorophenol (81 µg/L); 4-chloro-3-methylphenol (30 µg/L); 4-nitrophenol (150 µg/L for total nitrophenols); acenaphthene (520 µg/L); acenaphthylene (0.0311 µg/L); anthracene (9,600 µg/L); benzidine (0.00012 µg/L); benzo(g,h,i)perylene (0.0311 µg/L); benzo(a)pyrene (0.0028 µg/L); benzylbutylphthalate (1,500 µg/L); bis(2-chloroethoxy)methane (15.7 µg/L); diethylphthalate (17,000 µg/L); dimethylphthalate (3 µg/L); hexachlorocyclopentadiene (5.2 µg/L); naphthalene (620 µg/L); phenanthrene (0.0311 µg/L); phenol (2,560 µg/L); chromium (VI) (11 µg/L); selenium (5 µg/L); fluoride (1,000 µg/L); and, cyanide (5.2 µg/L). Second, hardness-dependent aquatic life support criteria should be calculated for cadmium, chromium (III), copper, lead, nickel, silver and zinc. Third, since surface water quality standards have not been established, screening comparison with EPA Region 5 ESLs should be conducted for 1,1-dichloroethane; 1,4-dioxane; 2-hexanone; acetone; carbon disulfide; methylethylketone; methylisobutylketone; vinyl acetate; 2,6-dinitrotoluene; 2-methylnaphthalene; o-,m-,p-cresol; 4-bromophenyl phenyl ether; pyridine; cobalt; and, vanadium.

Since EPC will be performing another round of surface water sampling (during base flow conditions) utilizing the method originally approved by KDHE—BER (see Specific Comment No. 1 below), we are not requiring any further revision of the Phase 2 Report. Our expectation is that all future surface water sample results will be compared to the most stringent numeric criteria established in regulation or, as applicable, EPA Region 5 ESLs for screening purposes. Results are to be reported as an addendum to the Phase 2 Report and comparison made with applicable surface water quality standards or screening levels for all contaminants identified.

2) In the various summaries of total petroleum hydrocarbon (TPH) results, EPC states there are no surface water standards for TPH. While a technically accurate statement, it should be noted K.A.R. 28-16-28e(b)(1) provides that "surface waters shall be free, at all times, from the harmful effects of substances that originate from artificial sources of pollution and that produce any public health hazard, nuisance condition, or impairment of a designated use" and K.A.R. 28-16-28e(b)(5) provides that "oil and grease from artificial sources shall not cause any visible film or sheen to form upon the surface of the water or upon submerged substrate or adjoining shorelines, nor shall these materials cause a sludge or emulsion to be deposited beneath the surface of the water or upon the adjoining shorelines." Another relevant component of the Kansas Surface Water Quality Standards is the antidegradation policy, the intent of which is to "limit discharges and other activities that will negatively impact water quality, impair designated uses, or threaten to impair designated uses of surface waters." Please be reminded that remedial

action decisions for the site will be made with consideration of all applicable or relevant and appropriate requirements including the Kansas Surface Water Quality Standards.

Specific Comments

1) Page 3-5, Section 3.3.1: A significant deviation from the approved *Final Work Plan for Second Phase Environmental Investigation* (Phase 2 Work Plan) involved the surface water sampling program. Surface water samples were to have been collected from the West Branch Walnut River (WBWR) in accordance with an agreed upon modification of the U.S. Geological Survey (USGS) equal discharge increment (EDI) method. Flow velocity profiles were to be developed for each surface water sample transect with a grab sample collected at a point corresponding with 25 percent of the total flow. Instead, EPC/MWH mistakenly used the USGS equal width increment method (EWI) method and collected samples at a point representing the highest discharge along each transect. Since the EWI method likely yielded potentially false negative surface water sample results, KDHE—BER requests EPC perform another round of surface water sampling (during base flow conditions) utilizing the approved EDI method. When reporting future surface water sampling endeavors, transect measurements should be presented in a tabular form, transect profiles should be presented graphically (i.e., depth vs. distance from bank) and each EDI-derived transect sample location (25 percent of the total flow) should be represented graphically. Furthermore, KDHE—BER requests that the two staff gauges destroyed during summer flooding be replaced to facilitate future surface water level measurements at established transect locations along the WBWR. The need for future surface water sampling events will be determined in consultation with EPC based upon review of EDI-generated sample results.

2) Page 3-6, Section 3.5, Paragraph 2: In order to best complete the water supply well survey, KDHE—BER will request the City of El Dorado run a computer filter (comparison of property owner listing and public water supply users) to identify potential domestic water well users in the vicinity of the Site. Assuming the City of El Dorado has the capability to run such a computer filter, KDHE—BER will inform EPC of any additionally identified water wells.

3) Page 3-7, Section 3.7.1, Paragraphs 3 and 4: EPC indicates that borings OW-15 and OW-20 were not completed as monitoring wells since dry and proposed monitoring wells OW-17 and OW-34 were not installed due to interference from nearby demolition activities. Please provide a figure identifying these four locations since occurrence of groundwater (or lack thereof) is important conceptual site model (CSM) information plus there may be a need to eventually install planned monitoring wells at some point post-demolition to fill any remaining data gaps.

4) Page 3-8, Section 3.7.1, Paragraph 3: Shallow monitoring wells were reported to have been constructed such that the well screens extended across the groundwater table within the unconsolidated material and/or weathered Fort Riley Limestone. On the contrary, comparison of site monitoring well information (Table 2) and groundwater elevation data over the period of record (Table 3) reveals approximately 35 percent of shallow monitoring wells were not screened in a manner to intercept the water table surface. The concern is that occurrence and

distribution of light non-aqueous phase liquid (LNAPL), particularly in the main refinery area, have not been fully assessed given observed LNAPL in a few monitoring wells, observed sheen in several soil borings, elevated photoionization detector (PID) readings immediately above the soil/water interface at many locations and persistent hydrocarbon seepage along the WBWR. Therefore, KDHE—BER requests that the expanded groundwater investigation, as contemplated by EPC in Section 6.0 of the Phase 2 Report, also present a strategy for completing assessment of LNAPL occurrence and distribution in both the main refinery and south tank farm areas.

5) Page 3-9, Section 3.7.2, Paragraph 2: In the work plan to be submitted for expanded groundwater investigation, KDHE—BER requests that EPC evaluate the need to install permanent monitoring wells at select temporary well locations. Installation of such permanent monitoring wells should occur post-demolition.

6) Pages 4-5, Section 4.2.2.1, Bullet 1: In WBWR surface water samples, mercury was detected at concentrations ranging from 0.63 to 6.3 µg/L, all exceeding the most stringent surface water quality standard (0.14 µg/L). While comparable concentrations (0.62 to 7 µg/L) were detected in the wastewater/stormwater pond samples, it is difficult to establish with any degree of certainty a direct causal relationship between mercury detections in the WBWR vs. on-site wastewater/stormwater ponds based on currently available data. For this reason, during future surface water sampling events, KDHE—BER requests EPC initially establish and sample a further upriver transect location to determine whether elevated mercury concentrations are site-related or attributable to background or other unrelated anthropogenic sources. If the source of mercury contamination is determined to be site-related, then additional evaluation may be deemed necessary, including assessment of potential WBWR sediment impacts.

7) Page 6-1, Section 6.0 (Soil Investigation): EPC recommends an investigation of only near surface soils at the site. Instead, KDHE—BER requests that the planned soil source area investigation include assessment of both surface and subsurface soils in order to complete characterization of the site. Specifically, EPC must evaluate the need, feasibility and cost-effectiveness of subsurface soil remediation to protect groundwater and hasten site closure. Subsurface soil impacts must be evaluated during the risk evaluation process.

8) Pages 6-1 and 6-2, Section 6.0 (Expanded Groundwater Investigation): First, KDHE—BER requests consistency with the already approved Phase 2 Work Plan, in terms of sampling and analyses, during expanded or supplemental Phase II characterization efforts. Second, besides the additional groundwater characterization proposed to be performed at the southwestern corner of the south tank farm area, KDHE—BER recommends EPC perform additional characterization in the northeastern corner of the south tank farm area to better assess distribution and identify the potential source of methyltertbutylether.

9) Page 6-2, Section 6.0 (Risk Assessment): Please be advised that KDHE—BER will require performance of both human health and ecological risk assessment.

10) Pages 6-2 and 6-3, Section 6.0 (Groundwater Monitoring): EPC proposes several modifications to the approved groundwater monitoring program. While KDHE—BER concurs with a reduction in frequency from quarterly to semi-annual, we believe it too premature to modify the analyte list from that approved in our March 24, 2005 letter to EPC. Once expanded or supplemental Phase II characterization efforts are complete, we will consider further modifications at that time. For example, based on available Phase 2 results, KDHE—BER is evaluating the possible need to add select semi-volatile organic compounds (SVOCs) to the routine groundwater monitoring program analyte list (e.g., acenaphthene, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene and pyrene). Again, a final determination will be made in consultation with EPC once expanded or supplemental Phase 2 characterization efforts are complete. In terms of network monitoring well designation, we concur with those proposed by EPC; however, KDHE—BER requests inclusion of the following additional monitoring wells for network augmentation purposes: N4-1, OW-13, OW-14, OW-24, OW-31 and OW-32. Please be reminded that the final network monitoring design may be modified once Phase 2 is determined complete and may eventually be refined further depending on performance monitoring needs for future remedial systems. Finally, at this time, KDHE—BER does not approve of plugging and abandonment of the three Florence Limestone monitoring wells as suggested by EPC. Although these monitoring wells are not currently included in the network monitoring design, there may be a need in the future to verify no impact to the Florence Limestone aquifer.

11) Tables 6 and 7: KDHE—BER noted during review of the Phase 2 Work Plan that the proposed method detection and reporting limits for several contaminants of concern (COCs) exceeded corresponding regulatory limits; however, we expressed a willingness to determine whether or not different analytical methods would be warranted once we had the opportunity to evaluate the Phase 2 dataset in total. We advised EPC that a possible outcome of this evaluation could be that EPC will be requested to re-sample select locations at a later date and analyze those samples utilizing a lower level detection method, thereby allaying any false-negative concerns. The need for such would be determined as future circumstances dictate, but would be expected to be of limited scope. This remains a placeholder item and will be determined in consultation with EPC based upon review of EDI-generated sample results as discussed in Specific Comment No. 1 above.

12) Figure 6: KDHE—BER strongly recommends an additional shallow monitoring well be installed in the south tank farm area midway between monitoring wells N4-4 and N6-1. This would provide better hydraulic control for future preparation of groundwater table maps.

13) Appendix A: EPC acknowledges that investigation of metals in soil is limited to a recently performed reconnaissance-level x-ray fluorescence (XRF) survey performed for stormwater management purposes during demolition. This initial XRF survey effort is designated as Phase I (as described in the draft May 2005 *Work Plan for XRF Investigation*) and may be supplemented by a Phase II and possibly a Phase III. If EPC wishes to conduct additional XRF screening as an element of the upcoming soil source area investigation, KDHE—BER requests that EPC submit an XRF Work Plan (either separate or as part of soil source area investigation work plan) for our review/approval before implementation. Besides poor

correlation with laboratory confirmation samples for the majority of metal COCs, one of the concerns we have with the Phase I XRF dataset is that sampling was restricted to "dry" soil locations due to numerous precipitation events. This likely means that the sampled locations are biased such that minimal contamination, if any, would be encountered. Therefore, as part of the upcoming soil source area investigation, KDHE—BER requests that additional surface and subsurface soil samples be obtained within basins, disposal areas, tank berms, tank scars and water retention areas; adjacent to API separator, cooling towers, drains, loading racks, piping runs, pump pits, pump stations and sumps; in areas of visible surficial contamination; etc. A sufficient number of samples must be collected to fully delineate the extent of contamination, to assess the risk posed to human health and the environment and to serve as the basis for corrective action decisions at the site. In addition, in order to complete the soil source area investigation, KDHE—BER expects that discrete soil samples will be analyzed for the Skinner List inorganics/metals (besides only the eight RCRA metals for verification of XRF survey results) to adequately assess site impacts from refinery processes.

KDHE—BER requests that EPC provide a written response to this letter no later than February 15, 2006. Should you have any questions regarding this letter, you may reach me by telephone at 785-291-3255 or by e-mail at junderwood@kdhe.state.ks.us.

Sincerely,

E. Jean Underwood

E. Jean Underwood
Environmental Geologist
Remedial Section
Bureau of Environmental Remediation

c: Kurt Limesand→file Coastal El Dorado (C2-008-70243-01)

File - ElDo

elpaso

February 8, 2006

E. Jean Underwood
Kansas Department of Health and Environment
Bureau of Environmental Remediation
1000 SW Jackson Street, Suite 410
Topeka, KS 66612-1367

Re: KDHE January 12, 2006 Comment Letter
Second Phase Environmental Report
Coastal El Dorado Refinery - El Dorado, Kansas

Dear Ms. Underwood:

El Paso Corporation (EPC), on behalf of El Paso Merchant Energy-Petroleum Company, submits the following responses to the Kansas Department of Health and Environment-Bureau of Environmental Remediation (KDHE-BER) comment letter dated January 12, 2006 regarding the *October 2005 Second Phase Environmental Investigation Report* (Phase 2 Report), *El Paso Corporation, El Dorado Refinery, El Dorado, Kansas*. Specific KDHE-BER comments from the January 12, 2006 letter are reprinted below followed by EPC responses.

GENERAL COMMENTS

KDHE-BER Comment 1)
As conveyed previously, the March 2003 Risk-Based Standards for Kansas RSK Manual (RSK Manual) states that "surface water cleanup levels shall meet the Kansas surface water quality standards as defined in K.A.R. 28-16-28(b), et seq", currently available at http://wwwkdhe.ks.gov/water/download/kwqs_plus_supporting.pdf. KDHE-BER had expected that assessment of impacts to surface water would include direct comparison of surface water data with the most stringent numeric criteria for the various use categories as adopted by reference in K.A.R. 28-16-28e(d), including several U.S. Environmental Protection Agency (EPA) criteria for specific use categories as promulgated in 40 C.F.R. Part 131.36. In those instances where a surface water quality standard has not been established for a given parameter, then KDHE-BER recommended using EPA Region 5 Ecological Screening Levels (ESLs) available at http://www.epa.gov/Region5/rcraca/edql.htm for screening purposes.

First, based upon our review of Tables 6 through 12, as well as corresponding report narrative, it does not appear that appropriate numeric criteria were correctly identified for the following constituents (correct value shown in parentheses after constituent name): ethylene dibromide

(0.05 µg/L); 1,2-dichloropropane (0.5 µg/L); benzene (5 µg/L); chlorobenzene (50 µg/L); tetrachloroethylene (3.3 µg/L); trichloroethylene (5 µg/L); 2,4-dimethylphenol (380 µg/L); 2-chloronaphthalene (1,000 µg/L); 2-chlorophenol (81 µg/L); 4-chloro-3-methylphenol (30 µg/L); 4-nitrophenol (150 µg/L for total nitrophenols); acenaphthene (520 µg/L.); acenaphthylene (0.0311 µg/L); anthracene (9,600 µg/L); benzidine (0.00012 µg/L); benzo(g,h,i) perylene (0.0311 µg/L); benzo(a)pyrene (0.0028 µg/L); benzylbutylphthalate (1,500 µg/L); bis(2-chloroethoxy)methane (15.7 µg/L); diethylphthalate (17,000 µg/L); dimethylphthalate (3 µg/L); hexachlorocyclopentadiene (5.2 µg/L); naphthalene (620 µg/L); phenanthrene (0.0311 µg/L); phenol (2,560 µg/L); chromium (VI) (11 µg/L); selenium (5 µg/L); fluoride (1,000 µg/L); and, cyanide (5.2 µg/L). Second, hardness-dependent aquatic life support criteria should be calculated for cadmium, chromium (III), copper, lead, nickel, silver and zinc. Third, since surface water quality standards have not been established, screening comparison with EPA Region 5 ESLs should be conducted for 1,1-dichloroethane; 1,4-dioxane; 2-hexanone; acetone; carbon disulfide; methylethylketone; methylisobutylketone; vinyl acetate; 2,6-dinitrotoluene; 2-methylnaphthalene; o-,m-,p-cresol; 4-bromophenyl phenyl ether; pyridine; cobalt; and, vanadium.

Since EPC will be performing another round of surface water sampling (during base flow conditions) utilizing the method originally approved by KDHE-BER (see Specific Comment No. 1 below), we are not requiring any further revision of the Phase 2 Report. Our expectation is that all future surface water sample results will be compared to the most stringent numeric criteria established in regulation or, as applicable, EPA Region 5 ESLs for screening purposes. Results are to be reported as an addendum to the Phase 2 Report and comparison made with applicable surface water quality standards or screening levels for all contaminants identified.

EPC Response 1)

The surface water analytical data from the Second Phase Investigation and the data from the next surface water sampling event will be compared with the criteria referenced in the KDHE-BER letter. These data and comparisons will be submitted to the KDHE-BER as an addendum to the Phase 2 Report.

KDHE-BER Comment 2)

In the various summaries of total petroleum hydrocarbon (TPH) results, EPC states there are no surface water standards for TPH. While a technically accurate statement, it should be noted K.A.R. 28-16-28e(b)(1) provides that "surface waters shall be free, at all times, from the harmful effects of substances that originate from artificial sources of pollution and that produce any public health hazard, nuisance condition, or impairment of a designated use" and K.A.R. 28~ 16-28e(b)(5) provides that "oil and grease from artificial sources shall not cause any visible film or sheen to form upon the surface of the water or upon submerged substrate or adjoining shorelines, nor shall these materials cause a sludge or emulsion to be deposited beneath the surface of the

water or upon the adjoining shorelines." Another relevant component of the Kansas Surface Water Quality Standards is the antidegradation policy, the intent of which is to "limit discharges and other activities that will negatively impact water quality, impair designated uses, or threaten to impair designated uses of surface waters." Please be reminded that remedial action decisions for the site will be made with consideration of all applicable or relevant and appropriate requirements including the Kansas Surface Water Quality Standards.

EPC Response 2)
EPC concurs that remedial action decisions will be made for the site based on the consideration of applicable or relevant and appropriate requirements including the Kansas Surface Water Quality Standards.

SPECIFIC COMMENTS

KDHE-BER Specific Comment 1)
Page 3-5, Section 3.3.1: A significant deviation from the approved final Work Plan for Second Phase Environmental Investigation (Phase 2 Work Plan) involved the surface water sampling program. Surface water samples were to have been collected from the West Branch Walnut River (WBWR) in accordance with an agreed upon modification of the U.S. Geological Survey (USGS) equal discharge increment (EDI) method. Flow velocity profiles were to be developed for each surface water sample transect with a grab sample collected at a point corresponding with 25 percent of the total flow. Instead, EPC/MWH mistakenly used the USGS equal width increment method (EWI) method and collected samples at a point representing the highest discharge along each transect. Since the EWI method likely yielded potentially false negative surface water sample results, KDHE-BER requests EPC perform another round of surface water sampling (during base flow conditions) utilizing the approved EDI method. When reporting future surface water sampling endeavors, transect measurements should be presented in a tabular form, transect profiles should be presented graphically (i.e., depth vs. distance from bank) and each EDI-derived transect sample location (25 percent of the total flow) should be represented graphically. Furthermore, KDHE-BER requests that the two staff gauges destroyed during summer flooding be replaced to facilitate future surface water level measurements at established transect locations along the WBWR. The need for future surface water sampling events will be determined in consultation with EPC based upon review of EDI-generated sample results.

EPC Specific Response 1)
As acknowledged in the Phase 2 Report and during the October 26, 2005 meeting, the method utilized to collect surface water samples from the West Branch Walnut River was not the method that was proposed in the Phase 2 Work Plan. Accordingly, EPC has agreed to perform another round of surface water sampling in the West Branch Walnut

River. In addition, the staff gauges destroyed during the summer flooding will be replaced.

KDHE-BER Specific Comment 2

Page 3-6, Section 3.5, Paragraph 2: In order to best complete the water supply well survey, KDHE-BER will request the City of El Dorado run a computer filter (comparison of property owner listing and public water supply users) to identify potential domestic water well users in the vicinity of the Site. Assuming the City of El Dorado has the capability to run such a computer filter, KDHE-BER will inform EPC of any additionally identified water wells.

EPC Specific Response 2)

EPC appreciates KDHE-BER's assistance in gathering this information. If additional water wells are identified in the vicinity of the site they will be investigated as appropriate.

KDHE-BER Specific Comment 3

Page 3-7, Section 3.7.1, Paragraphs 3 and 4: EPC indicates that borings OW-15 and OW-20 were not completed as monitoring wells since dry and proposed monitoring wells OW-17 and OW-34 were not installed due to interference from nearby demolition activities. Please provide a figure identifying these four locations since occurrence of groundwater (or lack thereof) is important conceptual site model (CSM) information plus there may be a need to eventually install planned monitoring wells at some point post-demolition to fill any remaining data gaps.

EPC Specific Response 3)

Boring locations OW-15, OW-17, OW-20, and OW-34 are shown on the attached figure. Additional monitoring well locations will be proposed in the forthcoming expanded investigation work plan.

KDHE-BER Specific Comment 4

Page 3-8, Section 3.7.1, Paragraph 3: Shallow monitoring wells were reported to have been constructed such that the well screens extended across the groundwater table within the unconsolidated material and/or weathered Fort Riley Limestone. On the contrary, comparison of site monitoring well information (Table 2) and groundwater elevation data over the period of record (Table 3) reveals approximately 35 percent of shallow monitoring wells were not screened in a manner to intercept the water table surface. The concern is that occurrence and distribution of light non-aqueous phase liquid (LNAPL), particularly in the main refinery area, have not been fully assessed given observed LNAPL in a few monitoring wells, observed sheen in several soil borings, elevated photoionization detector (PID) readings immediately above the soil/water interface at many locations and persistent hydrocarbon seepage along the WBWR. Therefore, KDHE-BER requests that the expanded groundwater investigation, as contemplated

by EPC in Section 6.0 of the Phase 2 Report, also present a strategy for completing assessment of LNAPL occurrence and distribution in both the main refinery and south tank farm areas.

EPC Specific Response 4)

Thirty-five groundwater monitoring wells were installed as part of the Second Phase Investigation. Five of the 35 wells were installed in order evaluate groundwater within bedrock and were not intended to be screened across the groundwater potentiometric surface (monitoring wells OW-01, OW-03, OW-04, OW-05, and OW-06). Based on a review of groundwater levels measured in 2005, the top of well screens in seven of the 30 shallow wells installed were below the groundwater table during all of the 2005 monitoring events (monitoring wells OW-7, OW-21, OW-23T, OW-26, OW-28T, OW-35, and OW-36). As shown on the boring logs included in Appendix B of the Phase 2 Report, groundwater levels in all of the wells (except monitoring wells OW-7 and OW-21) were below the top of well screen during installation, but rose above the screen within 24 hours of installation. The presence of fine grain soils (largely silty clay) above the more permeable weathered bedrock beneath the majority of the site creates localized semi-confined conditions and makes accurate identification of the groundwater potentiometric surface difficult during well installation. This is illustrated by the fact that the groundwater levels in monitoring wells OW-7, OW-21 and OW-35 were above the ground surface elevation during the majority of the monitoring events in 2005. However, the well screens in all of the shallow wells intersect weathered limestone, which is where the majority of the groundwater and contaminant flux occurs (because of the higher permeability). In addition, with the exception of wells OW-37 and OW-38 (both of which had groundwater levels within the well screen interval), soil headspace gas readings in the borings for the shallow wells were highest within the screen intervals as shown on the boring logs in Appendix B of the Phase 2 Report. This indicates that the well screens within the shallow monitoring wells crossed the most contaminated and permeable zones in the shallow subsurface. Accordingly, it is not expected that LNAPL in groundwater is present above the shallow well screens.

Expanded investigations within the Main Process Area, the South Tank Farm, and the Asphalt Handling Area were proposed in Section 6 of the Phase 2 Report. EPC agrees that assessment of the sources and extent of LNAPL in these areas is a necessary part of this expanded investigation in order to better characterize the source and extent of impacts.

KDHE-BER Specific Comment 5

Page 3-9, Section 3.7.2, Paragraph 2: In the work plan to be submitted for expanded groundwater investigation, KDHE--BER requests that EPC evaluate the need to install permanent monitoring

wells at select temporary well locations. Installation of such permanent monitoring wells should occur post-demolition.

EPC Specific Response 5)
The need for permanent monitoring wells at select temporary well locations will be evaluated in the forthcoming expanded investigation work plan. Permanent well installation will be conducted after demolition has been completed in these areas.

KDHE-BER Specific Comment 6
Pages 4-5. Section 4.2.2, I. Bullet 1: In WBWR surface water samples, mercury was detected at concentrations ranging from 0.63 to 6.3 µg/L, all exceeding the most stringent surface water quality standard (0.14 µg/L). While comparable concentrations (0.62 to 7 µg/L) were detected in the wastewater/stormwater pond samples, it is difficult to establish with any degree of certainty a direct causal relationship between mercury detections in the WBWR vs. on-site wastewater/stormwater ponds based on currently available data. For this reason, during future surface water sampling events, KDHE-BER requests EPC initially establish and sample a further upriver transect location to determine whether elevated mercury concentrations are site-related or attributable to background or other unrelated anthropogenic sources. If the source of mercury contamination is determined to be site-related, then additional evaluation may be deemed necessary, including assessment of potential WBWR sediment impacts.

EPC Specific Response 6)
An additional upstream transect location will be added to the next West Branch Walnut River sampling event. The purpose will be to evaluate the upstream mercury concentration at the time of sampling in order to establish a background value for mercury. However, a lower mercury concentration in the upstream sample will not prove that mercury levels are site-related. Additional evaluations would be required to make this determination.

KDHE-BER Specific Comment 7
Page 6-1, Section 6.0 (Soil Investigation): EPC recommends an investigation of only near surface soils at the site. Instead, KDHE-BER requests that the planned soil source area investigation include assessment of both surface and subsurface soils in order to complete characterization of the site. Specifically, EPC must evaluate the need, feasibility and cost-effectiveness of subsurface soil remediation to protect groundwater and hasten site closure. Subsurface soil impacts must be evaluated during the risk evaluation process.

EPC Specific Response 7)
Subsurface soil sampling was envisioned as part of the expanded groundwater investigation. Given that the bulk of contaminant mass is present in the soil (and only a

small fraction dissolved in the groundwater), an assessment of soil impacts is a necessary part of the expanded assessment. The work plans for the expanded soil and groundwater investigations will be combined into a single document in order to avoid confusion.

KDHE-BER Specific Comment 8
Pages 6-1 and 692, Section 6.0 (Expanded Groundwater Investigation): First, KDHE-BER requests consistency with the already approved Phase 2 Work Plan, in terms of sampling and analyses, during expanded or supplemental Phase II characterization efforts. Second, besides the additional groundwater characterization proposed to be performed at the southwestern corner of the south tank farm area, KDHE-BER recommends EPC perform additional characterization in the northeastern corner of the south tank farm area to better assess distribution and identify the potential source of methyl tert butyl ether.

EPC Specific Response 8)
The work plans for the expanded investigations will incorporate the procedures outlined in the Phase 2 Work Plan. The northeast corner of the South Tank Farm Area will be evaluated as part of the expanded investigations.

KDHE-BER Specific Comment 9
Page 6-2, Section 6.0 (Risk Assessment): Please be advised that KDHE-BER will require performance of both human health and ecological risk assessment.

EPC Specific Response 9)
EPC will work closely with the KDHE-BER to determine the appropriate scopes for human health and ecological risk assessments of the site. The proposed work scopes will be presented to the KDHE-BER in a risk assessment work plan.

KDHE-BER Specific Comment 10
Pages 6-2 and 6-3, Section 6.0 (Groundwater Monitoring): EPC proposes several modifications to the approved groundwater monitoring program. While KDHE-BER concurs with a reduction in frequency from quarterly to semi-annual, we believe it too premature to modify the analyte list from that approved in our March 24, 2005 letter to EPC. Once expanded or supplemental Phase II characterization efforts are complete, we will consider further modifications at that time. For example, based on available Phase 2 results, KDHE-BER is evaluating the possible need to add select semi-volatile organic compounds (SVOCs) to the routine groundwater monitoring program analyte list (e.g., acenaphthene, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene and pyrene). Again, a final determination will be made in consultation with EPC once expanded or supplemental Phase 2 characterization efforts are complete. In terms of network monitoring well designation, we concur with these proposed by EPC; however, KDHE-BER requests inclusion of the following additional monitoring wells for network augmentation

purposes: N4-1, OW-13, OW-14, OW-24, OW-31 and OW-32. Please be reminded that the final network monitoring design may be modified once Phase 2 is determined complete and may eventually be refined further depending on performance monitoring needs for future remedial systems. Finally, at this time, KDHE-BER does not approve of plugging and abandonment of the three Florence Limestone monitoring wells as suggested by EPC. Although these monitoring wells are not currently included in the network monitoring design, there may be a need in the future to verify no impact to the Florence Limestone aquifer.

EPC Specific Response 10)

Semi-annual monitoring will be initiated in March 2006. The monitoring well network will include the following wells: OW-1, OW-2, OW-3, OW-4, OW-5, OW-8, OW-9, OW-10, OW-12, OW-13, OW-14, OW-24, OW-25, OW-29, OW-31, OW-32, OW-37, OW-39, W-01S, W-24, W-22, N2-4, N3-2, N3-3, N4-1, and N6-1. In accordance with the KDHE-BER March 24, 2005 letter, the following parameters will be analyzed:

- benzene,
- gasoline- and diesel-range total petroleum hydrocarbons (GRO/DRO TPH),
- methyl tert butyl ether (MTBE)
- metals: arsenic, barium, beryllium, cadmium, chromium, lead, manganese, and nickel.

It is proposed that the semi-annual monitoring reports be submitted to the KDHE-BER within 60 days after receipt of the analytical test data for each event.

All of the facility monitoring wells were sampled for Skinner List parameters (which include the semi-volatile compounds listed in the KDHE-BER Specific Comment No. 10) as part of the Fourth Quarter 2004 sampling event. These data were presented in the report entitled: *Fourth Quarter 2004 Progress Report and Annual Summary, El Dorado Refinery, April 2005.* As discussed in the report, the only semi-volatile compound that was found to exceed the KDHE Tier 2 RBSL was bis (2-ethylhexl) phthalate. However, the two detections (out of 30 samples analyzed) were attributed to laboratory contamination. This analyte is a common laboratory and field contaminant.

Skinner List parameters were also analyzed during the Second Phase Investigation and were presented in the Phase 2 Report. Bis (2-ethylhexyl) Phthalate exceeded the KDHE Tier 2 RBSL in 1 of the 34 groundwater samples collected. Fluorene and naphthalene were detected above the KDHE Tier 2 RBSLs in 1 of the 34 groundwater samples collected at the site. A heavy petroleum sheen was observed on top of the groundwater when collecting this sample, which likely resulted in the fluorene and naphthalene exceedances. The lack of significant semi-volatile compounds detected in groundwater to date should be taken into consideration when evaluating the necessity of adding these parameters to the semi-annual program.

As discussed in the Phase 2 Report, 6 wells were installed as temporary wells due to their close proximity to the demolition activities and high traffic areas at the site. Since these wells were not completed with surface protection, they should be abandoned as soon as possible to prevent inadvertent cross-contamination of groundwater. Accordingly, EPC requests KDHE-BER's approval to abandon these wells immediately.

KDHE-BER Specific Comment 11
Tables 6 and 7: KDHE-BER noted during review of the Phase 2 Work Plan that the proposed method detection and reporting limits for several contaminants of concern (COCs) exceeded corresponding regulatory limits; however, we expressed a "Willingness to determine whether or not different analytical methods would be warranted once we had the opportunity to evaluate the Phase 2 dataset in total. We advised EPC that a possible outcome of this evaluation could be that EPC will be requested to re-sample select locations at a later date and analyze those samples utilizing a lower level detection method, thereby allaying any false-negative concerns. The need for such would be determined as future circumstances dictate, but would be expected to be of limited scope. This remains a placeholder item and will be determined in consultation with EPC based upon review of EDI-generated sample results as discussed in Specific Comment No. 1 above.

EPC Specific Response 11)
EPC will work closely with KDHE-BER to assess the necessity of resampling and retesting to achieve lower detection and reporting limits after receipt of the new surface water sampling data.

KDHE-BER Specific Comment 12
Figure 6: KDHE-BER strongly recommends an additional shallow monitoring well be installed in the south tank farm area midway between monitoring wells N4-4 and N6-1. This would provide better hydraulic control for future preparation of groundwater table maps.

EPC Specific Response 12)
A new monitoring well in the proposed location will be considered as part of the expanded investigation.

KDHE-BER Specific Comment 13
Appendix A: EPC acknowledges that investigation of metals in soil is limited to a recently performed reconnaissance-level x-ray fluorescence (XRF) survey performed for stormwater management purposes during demolition. This initial XRF survey effort is designated as Phase I (as described in the draft May 2005 Work Plan for XRF Investigation) and may be supplemented by a Phase II and possibly a Phase III. If EPC wishes to conduct additional XRF screening as an element of the upcoming soil source area investigation, KDHE-BER requests that EPC submit an

XRF Work Plan (either separate or as part of soil source area investigation work plan) for our review/approval before implementation. Besides poor correlation with laboratory confirmation samples for the majority of metal COCs, one of the concerns we have with the Phase I XRF dataset is that sampling was restricted to "dry" soil locations due to numerous precipitation events. This likely means that the sampled locations are biased such that minimal contamination, if any, would be encountered. Therefore, as part of the upcoming soil source area investigation, KDHE-BER requests that additional surface and subsurface soil samples be obtained within basins, disposal areas, tank berms, tank scars and water retention areas; adjacent to API separator, cooling towers, drains, loading racks, piping runs, pump pits, pump stations and sumps; in areas of visible surficial contamination; etc. A sufficient number of samples must be collected to fully delineate the extent of contamination, to assess the risk posed to human health and the environment and to serve as the basis for corrective action decisions at the site. In addition, in order to complete the soil source area investigation, KDHE-BER expects that discrete soil samples will be analyzed for the Skinner List inorganics/metals (besides only the eight RCM metals for verification of XRF survey results) to adequately assess site impacts from refinery processes.

EPC Specific Response 13)

As noted on Page 2-2 of the EPC *Phase I XRF Investigation* summary: "The XRF locations were biased towards areas exhibiting visual evidence of potential elevated metal concentrations, such as debris piles or stained soils, and areas at or near former and existing Site facilities whose processes had the potential to contribute to elevated metal concentrations in soil. These facilities included former tank areas, unpaved roadways, cooling towers, and other facilities based on visual assessment of the Site."

During the course of the investigation, XRF sampling locations were biased, in addition to the factors stated above, by soil moisture conditions. The KDHE-BER letter states: "This likely means that the sampled locations are biased such that minimal contamination, if any, would be encountered." However, as discussed in the text and shown on figures, elevated and RSK-exceeding levels were observed (for example) near cooling towers (F1-12-3, C1-10-1), debris areas (B1-1-3, B1-2-2), tank scars (B1-14-4, B1-14-2), tank berms (E1-13-2, D1-13-1), and pond berms (G1-10-3, G1-11-3) and drainage areas near the wastewater treatment ponds (G1-10-2). The implication that contamination only would exist in areas that were "wet" during the course of the XRF investigation is not supported.

EPC acknowledges the fact that there was a generally poor correlation between laboratory confirmation samples and field XRF measurements. Possible causes discussed in the investigation report included the heterogeneity of soil, in terms of the laboratory sample size derived from a 4-ounce sample versus the XRF method analyzing a dime-

sized area of soil 2-3 mm deep. Although a strong correlation would have been beneficial, a linear correlation was found for chromium and lead between XRF and laboratory readings. The Phase I study did serve the purpose of providing screening-level data regarding areas of concern for further soil investigations.

Soil samples will be collected for analysis during the expanded investigation from a variety of process areas as indicated in the KDHE-BER letter. In addition, select samples will be collected for analysis of Skinner List parameters. The proposed sample locations, depths, and analytes in the expanded investigation will be presented in the forthcoming work plan.

EPC would like to thank the KDHE-BER for their timely and thorough review of the Phase 2 Report. Please feel free to call me at 719-520-3726 if you have any questions, comments, or require further information.

Sincerely,

Debbie Harris
Project Manager
Environmental Remediation
El Paso Corporation

Enclosures

cc: Bill Pickens, MWH
Chris Fitzgerald, MWH

KANSAS
DEPARTMENT OF HEALTH
AND ENVIRONMENT
Division of Environment

Mark Parkinson, Governor
Roderick L. Bremby, Secretary

www.kdheks.gov

May 1, 2009

RECEIVED
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BY: UO WCH-1

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Study Work Plan
Coastal El Dorado Refinery Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE–BER) acknowledges receipt of the above mentioned work plan prepared by MWH on behalf of El Paso Corporation (El Paso). KDHE-BER has completed its review of the *Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Work Plan* (work plan) and approves the document with the following comments.

Specific Comments:

1. Section 2.2: In addition to the site-specific performance criteria described in Section 2.2 of the work plan, KDHE-BER recommends the soil-grout mixtures developed as part of this treatability study also be subjected to freeze/thaw durability and wet/dry durability testing. KDHE-BER believes these additional testing parameters are appropriate due to the seasonal fluctuations in temperature and precipitation known for this area and potential groundwater interflow coming in contact with the stabilized materials. Further, results from such physical testing can be used to help evaluate the long-term effectiveness of the stabilization/solidification process. Although a revised work plan is not required, KDHE-BER recommends freeze/thaw durability and wet/dry durability testing be incorporated during the treatability study process and discussed in the final report document.

2. *Table 2.1:* At this stage in the process, KDHE-BER considers the performance criteria summarized in Table 2.1 as target goals for the treatability study which, if necessary, may need to be revised as the process progresses.

3. *Section 2.2.5:* Section 2.2.5 of the work plan indicates an unconfined compressive strength (UCS) of 16-20 psi is commonly used to provide adequate support for a cap, and, therefore, the proposed UCS of greater than 30 psi would be sufficient for the Site. However, these values are inconsistent with the reference documents, USEPA. 1993. *Solidification/Stabilization and its Application to Waste Materials,* EPA/530/R-93/012, and USACE.1995. *Engineering and Design Treatability Studies for Solidification/Stabilization of Contaminated Materials,* ETL 1110-1-158, noted in Section

5.0 of the work plan which recommend a target minimum UCS of 50 psi. KDHE-BER requests the reference material used to support the use of these lower UCS values be provided for inclusion in the work plan and further recommends the proposed target minimum UCS of 30 psi be reevaluated and modified, if necessary.

4. *Section 3.0:* Based on our review of the preliminary data obtained during the Third Phase Environmental Investigation, KDHE-BER feels that while the composite sample from the Spray Pond seems to represent worst-case conditions in this pond, the composite sample proposed for the West Oxidation Pond seems to be more representative of average concentrations in the wastewater/stormwater ponds. KDHE-BER recommends additional worst-case composite samples be collected for each pond where the highest levels of contamination were detected (i.e., Marley Pond and Primary Pond) to establish a range of average to worst-case pond conditions that may be subject to stabilization/solidification testing.

5. *Section 4.1:* KDHE-BER recognizes that as the treatability study progresses slight adjustments may need to be made to achieve the performance criteria outlined in the work plan. However, please be advised KDHE-BER expects to be notified, phone or email is acceptable, to discuss and provide approval for all significant adjustments not contemplated in the work plan.

General Comment:
Upon completion of the treatability study, MWH has indicated a final results report including recommendations for implementing the solidification/stabilization remedy will be submitted for KDHE-BER review. In addition to the treatability study report, KDHE-BER requires a Pond Closure Interim Remedial Measure Work Plan/Design, prepared in accordance with BER Policy, *BER-RS-029 Interim Measures*, (http://www.kdheks.gov/ber/policies/BER_RS_029.pdf), also be submitted for our review and approval prior to beginning the pond closure process.

KDHE-BER requests a written response to the above comments by June 1, 2009. Should you have any questions regarding this letter, please contact me by phone at 785-296-5555 or email at mweiser@kdheks.gov.

Sincerely,

Margaret Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Bill Pickens, MWH

elpaso

May 28, 2009

RECEIVED
JUN 01 2009
BY: LD WCH-1

Margaret J. Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation
Kansas Department of Health and Environment
1000 SW Jackson, Suite 410
Topeka, KS 66612-1367

Re: Response to KDHE comments on the former El Dorado Refinery Site: *Pond Sediment Stabilization Treatability Study Work Plan*

Dear Ms. Weiser:

El Paso Corporation (EPC) submits these responses to your May 1, 2009 Comments Letter regarding the *Pond Sediment Stabilization Treatability Study Work Plan* for the former EL Dorado Refinery in El Dorado, Kansas.

In their letter, the KDHE requested minor clarifications/changes to the work plan and submission of a formal response prior to implementing the treatability study. This, letter presents specific and general KDHE comments below, followed by EPC's responses. Although a separate work plan submission is not required, , it should be noted that the comments presented herin, will be implemented during the study.

Specific Comments

1) Section 2.2: In addition to the site-specific performance criteria described in Section 2.2 of the work plan, KDHE-BER recommends the soil-grout mixtures developed as part of this treatability study also be subject to freeze/thaw durability and wet/dry durability testing. KDHE-BER believes these additional testing parameters are appropriate due to the seasonal fluctuations in temperature and precipitation known for this area and potential groundwater interflow coming in contact with the stabilized materials. Further, results from such physical testing can be used to help evaluate long-term effectiveness of the stabilization/solidification process. Although a revised work plan is not required, KDHE-BER recommends freeze/thaw durability and wet/dry durability testing be incorporated during the treatability study process and discussed in the final report document.

Response: Freeze/thaw testing was not specified in the work plan because it was assumed that the material being stabilized/solidified would be covered with at least 2 feet of soil. The conceptual design for closure of the ponds has all of the stabilized material being placed in the West Oxidation pond and eventually covered with a minimum of 2 feet of soil. A minimum soil depth of two feet would be sufficient to protect against freeze/thaw. Wet/dry

durability testing is planned for in Phase IV Immersion Testing. The purpose of this test is to determine if there is a potential for the geochemistry (elevated chlorides, etc) of site groundwater to affect the long-term durability of the monolith.

2) Table 2.1: At this stage in the process, KDHE-BER considers the performance criteria summarized in Table 2.1 as target goals for the treatability study which, if necessary may need to be revised as the process progresses.

Response: The performance criteria stated in Table 2.1 are minimum criteria for each test and therefore, the final mix design will likely exceed these standards. One purpose of the phased approach developed in the work plan is that it allows for the adequacy of the design criteria to be assessed after each successive phase and modified, if necessary.

3) Section 2.2.5 of the work plan indicates an unconfined compressive strength (UCS) of 16-20 psi is commonly used to provide adequate support for a cap, and, therefore, the proposed UCS of greater than 30 psi would be sufficient for the Site. However, these values are inconsistent with the reference documents, USEPA. 1993. Solidification/Stabilization and its Application to Waste Materials, EPA/530/R-93/012 and USACE. 1995. Engineering and Design Treatability Studies for Solidification/Stabilization of Contaminated Materials, ETL 1110-1-158, noted in Section 5.0 of the work plan which recommends a target minimum UCS of 50 psi. KDHE-BER requests the reference material used to support the use of these lower UCS values be provided for inclusion in the work plan and further recommends the proposed target minimum UCS of 30 psi be reevaluated and modified, if necessary.

Response: It is anticipated that the stabilized material will be covered with a minimum of 2 feet of soil and as much as 4 feet of soil. The pressures applied by this type of soil cover assuming a maximum 4 foot thickness of soil with an in-place density of 130 lbs/ft^2 would only be on the order of 4 psi. This is substantially less than the 50 psi recommended in the literature. However, it is understood that, in general, a greater compressive strength is accompanied by a reduction in the leachability of the monolith. Therefore, although a UCS value of 30 psi would be sufficient for ensuring structural integrity of the proposed cap, the work plan will be modified to target a UCS value of 50 psi.

4) Section 3.0: Based on our review of the preliminary data obtained from the Third Phase Environmental Investigation, KDHE-BER feels that while the composite sample from the Spray Pond seems to represent worst-case conditions in this pond, the composite sample proposed for the West Oxidation Pond seems to be more representative of average concentrations in the wastewater/stormwater ponds. KDHE-BER recommends additional worst-case composite samples be collected for each pond where the highest levels of contamination were detected (i.e., Marley Pond and Primary Pond) to establish a range of average to worst-case pond conditions that may be subject to stabilization/solidification testing.

Response: Although the composite samples planned for the West Oxidation Pond will represent an average concentration of contamination in the pond sediments, when compared to the other ponds, the West Oxidation Pond had significantly higher concentrations throughout the pond. In addition, during the testing and implementation of the solidification/stabilization remedy, the perceived worst-case areas identified in the Third Phase Investigation will make up a very small portion of the total sediment volume. Therefore, to facilitate sampling, it was determined that a composite sample collected from the West Oxidation Pond representing "average" concentrations, was sufficient for developing an appropriate mix design for treating the large volumes of sediment.

5) Section 4.1: KDHE-BER recognizes that as the treatability study progresses slight adjustments may need to be made to achieve the performance criteria outlined in the work plan. However, please be advised KDHE-BER expects to be notified, phone or e-mail is acceptable, to discuss and provide approval for all significant adjustments not contemplated in the work plan.

Response: KDHE-BER will be notified of substantive changes to the treatability prior to implementation.

General Comments

1) Upon completion of the treatability study, MWH has indicated a final results report including recommendations for implementing the solidification/stabilization remedy will be submitted for KDHE-BER review. In addition to the treatability study report, KDHE-BER requires a Pond Closure Interim Remedial Measures Work Plan/Design, prepared in accordance with BER Policy, BER-RS-029 Interim Measures, (http://www.kdheks.gov/ber/policies/BER_RS_029.pdf), also be submitted for our review and approval prior to beginning pond closure process.

Response: As discussed in the work plan, the results from this treatability study will be incorporated in the closure design for the ponds and presented in a treatability study report. EPC will also submit a Pond Closure Interim Remedial Measures Work Plan/Design consistent with KDHE-BER policy BER-RS-029 as required, prior to implementation of any closure work.

EPC appreciates your review and comments. Please feel free to contact me at (719) 520-4615 with any questions, additional comments, or concerns.

Sincerely,

Brian Kellmann
Project Manager
Environmental Remediation
El Paso Corporation

/jdt
Enclosure

cc: Eric Staab (KDHE-BOW)
Chad Tomlinson (MWH)
Bill Pickens (MWH)
Doug Mick (MWH)
File

elpaso

July 23, 2009

Margaret J. Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation
Kansas Department of Health and Environment
1000 SW Jackson, Suite 410
Topeka, KS 66612-1367

Re: Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Study Work Plan
Former El Dorado Refinery Site
El Dorado, Kansas

Dear Ms. Weiser:

The purpose of this letter is to document the agreements reached during the July 21, 2009 conference call between representatives of the Kansas Department of Health and the Environment, Bureau of Environmental Remediation (KDHE) and MWH regarding the proposed pond sediment treatability study for the former El Paso Merchant Energy-Petroleum Company (EPME-PC) refinery located in El Dorado, Kansas. The purpose of the call was to discuss KDHE's comments about the treatability study and to reach consensus on methodologies for performing the work.

A work plan for the treatability study entitled: *Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Study Work Plan for the El Dorado Refinery, El Dorado, Kansas* (Work Plan) was submitted to the KDHE in April 2009. Comments were received on the Work Plan in a letter from KDHE dated May 1, 2009.

Specific comments from the May 1, 2009 KDHE letter that were discussed during the conference call are presented below along with the agreements reached about the comments.

KDHE Comment #1

Comment

Although a revised work plan is not required, KDHE-BER recommends freeze/thaw durability and wet/dry durability testing be incorporated during the treatability study process and discussed in the final report document.

Discussion

Freeze/thaw testing was not specified in the work plan because the material being

stabilized/solidified will be covered with at least 2 feet of soil, which should be sufficient to protect against freeze/thaw. It was agreed during the conference call that freeze/thaw testing would not be necessary. However, wet/dry durability testing will be performed as specified in the Work Plan.

KDHE Comment #2

Comment

Based on our review of the preliminary data obtained from the Third Phase Environmental Investigation, KDHE-BER feels that while the composite sample from the Spray Pond seems to represent worst-case conditions in this pond, the composite sample proposed for the West Oxidation Pond seems to be more representative of average concentrations in the wastewater/stormwater ponds. KDHE-BER recommends additional worst-case composite samples be collected for each pond where the highest levels of contamination were detected (i.e., Marley Pond and Primary Pond) to establish a range of average to worst-case pond conditions that may be subject to stabilization/solidification testing.

Discussion

It was agreed during the conference call that the ponds that contained sediments with the highest concentrations of constituents of potential concern (COPC) would be selected for the treatability study. The selection of representative ponds would be performed with the sediment characterization data recently collected as part of the Third Phase Investigation.

Subsequent to the conference call, sediment sample analytical data from each pond were utilized to prepare bar graphs for the COPC detected. The bar graphs, which are included in Attachment A, were prepared for metals, total petroleum hydrocarbons (TPH GRO and DRO), semi-volatile organic compounds (SVOC), and volatile organic compounds (VOC). An evaluation was then performed to assess which ponds would be representative of "worst case" conditions for the COPC. "Worst case" sediments were defined as those containing the highest concentrations of lead, benzene, anthracene, benzo(a)anthracene, benzo(a)pyrene, and chrysene (COPC with the lowest KDHE Tier 2 Risk-based standards) and TPH GRO and DRO. Based on the evaluation, the West Oxidation Pond, Spray Pond, and the Equalization Basin were selected to represent the worst case conditions for the sediment treatability study.

Representative composite samples will be collected from each of the three ponds for the treatability study. The sediments from the West Oxidation Pond will then be evaluated using the methods outlined in the Work Plan (Phases I through IV). The optimized mix design from this evaluation will then be validated by mixing it with sediments from the Spray Pond and the Equalization Basin and conducting verification analyses and

immersion testing (Phases III and IV). The proposed treatability testing program is outlined in the flow chart presented on Figure 1.

EPME-PC would like to initiate this work in early August 2009. Accordingly, we would like to request confirmation from KDHE as soon as possible that the approach outlined in this letter is acceptable. Please feel free to contact me at (719) 520-4615 with any questions, additional comments, or concerns.

Sincerely,

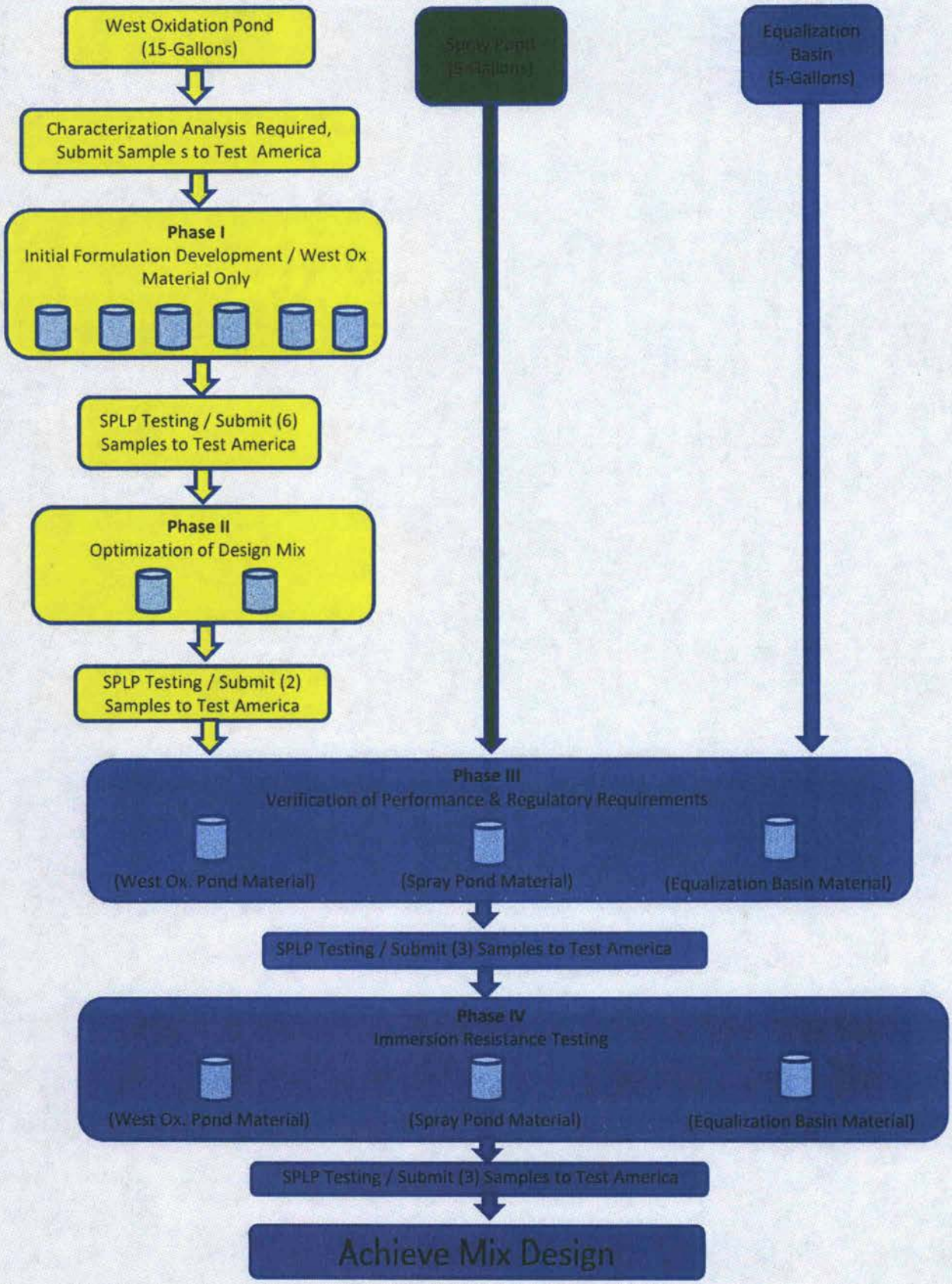
Brian Kellmann
Project Manager
Environmental Remediation
El Paso Corporation

Enclosure

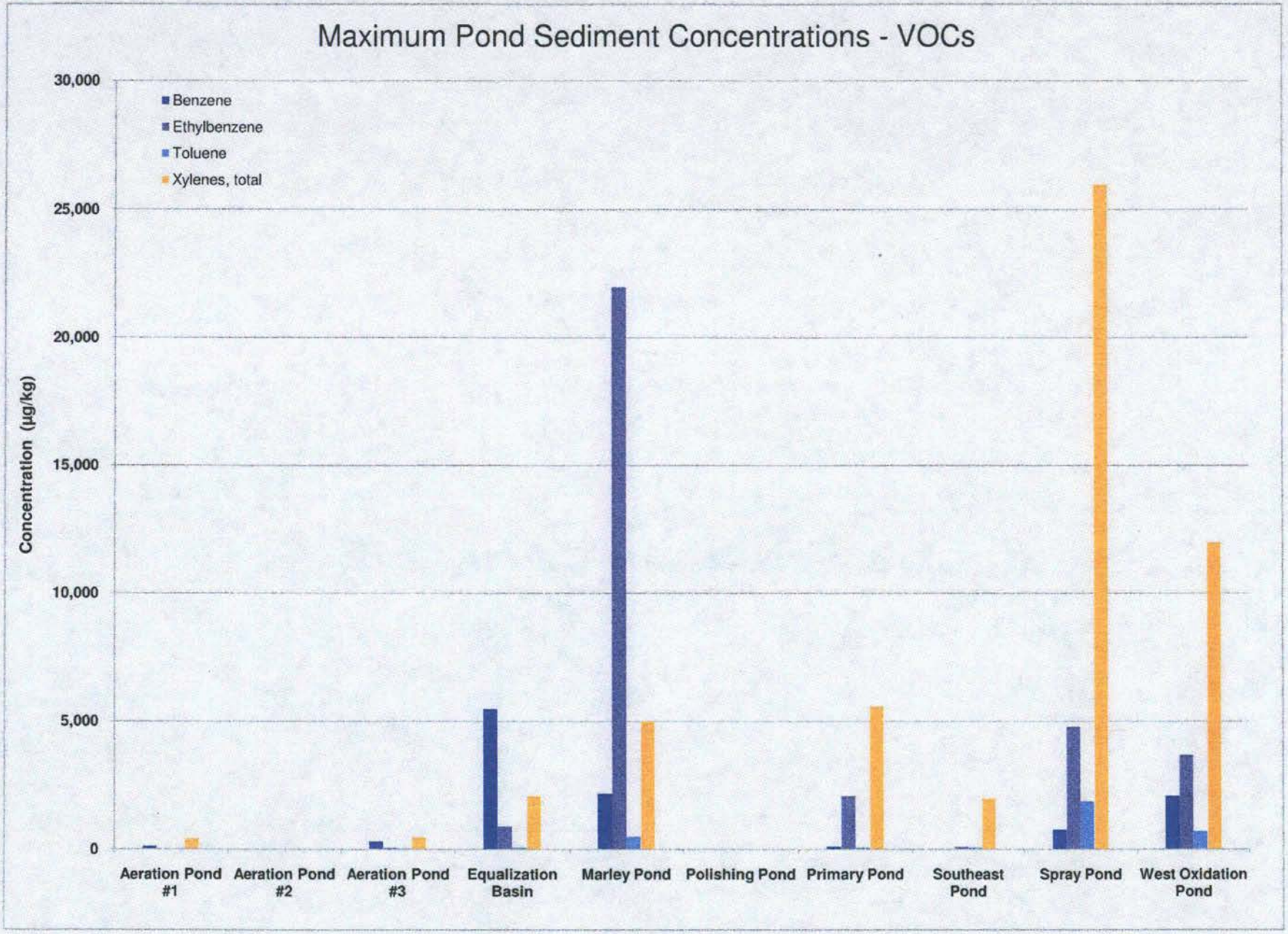
cc: Jean Underwood (KDHE-BER)
Eric Staab (KDHE-BOW)
Chad Tomlinson (MWH)
Bill Pickens (MWH)
Doug Mick (MWH)
File

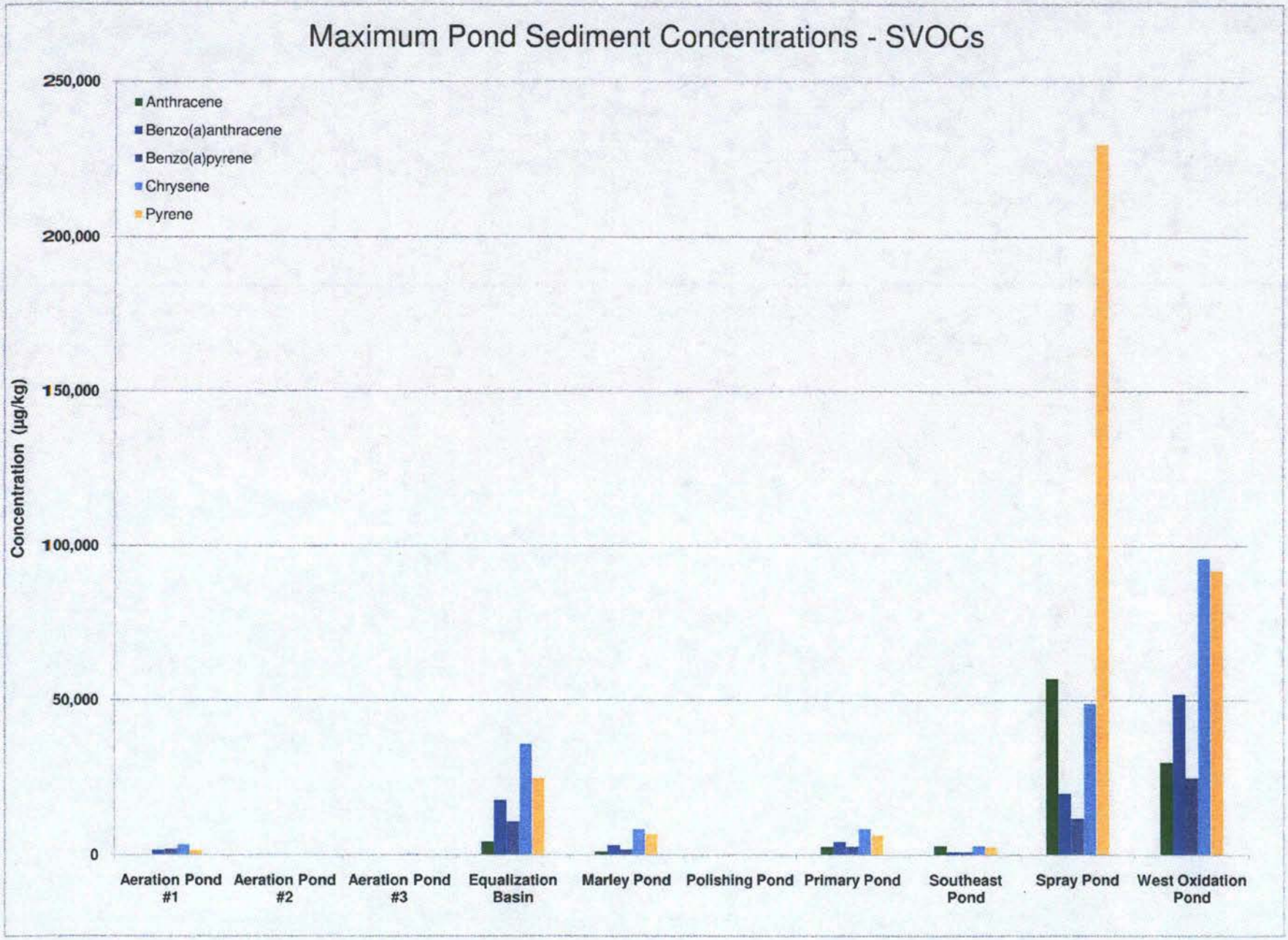
FIGURE 1

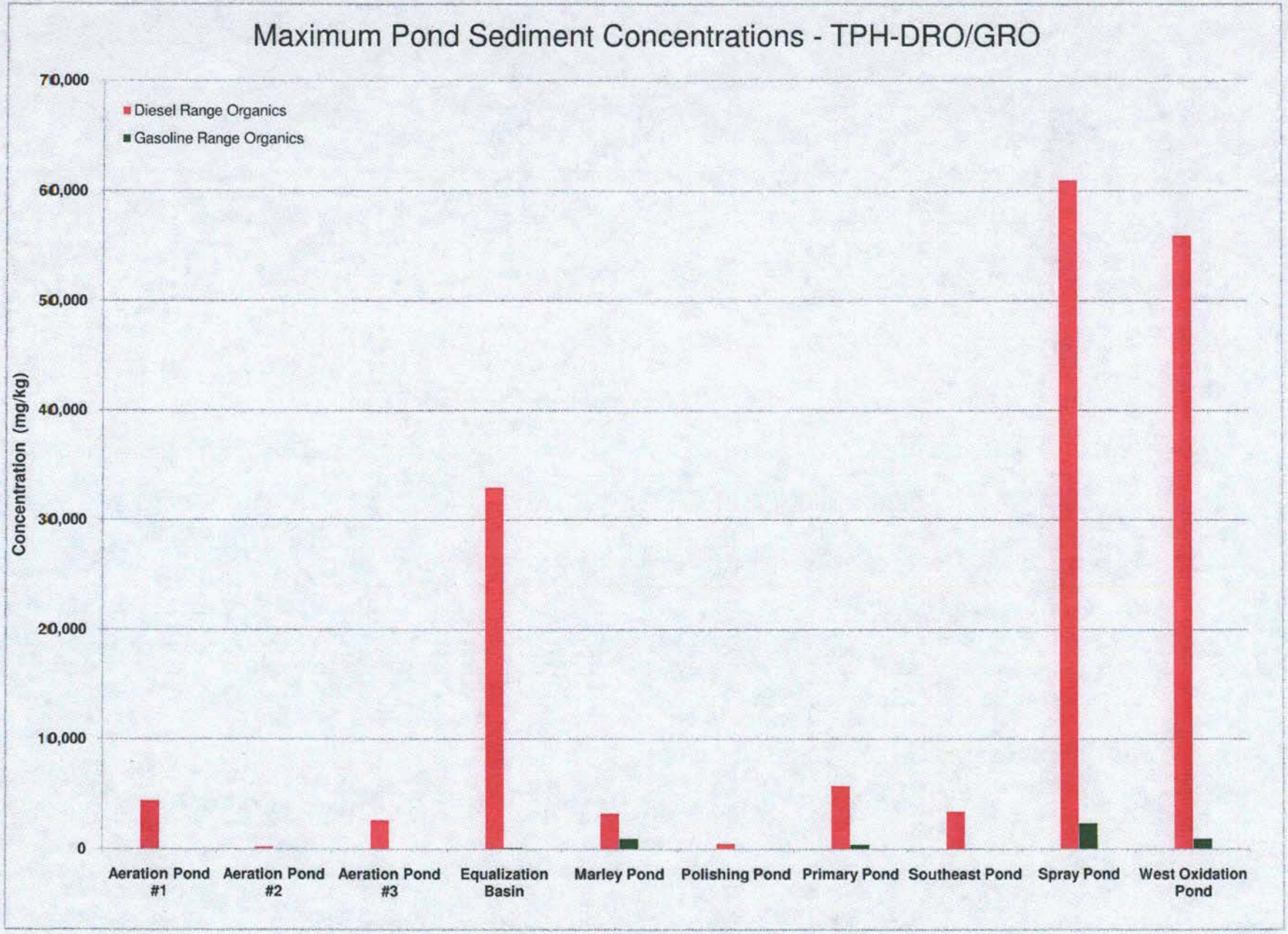
Figure 1
Flow Chart Showing Proposed Treatability Testing Program

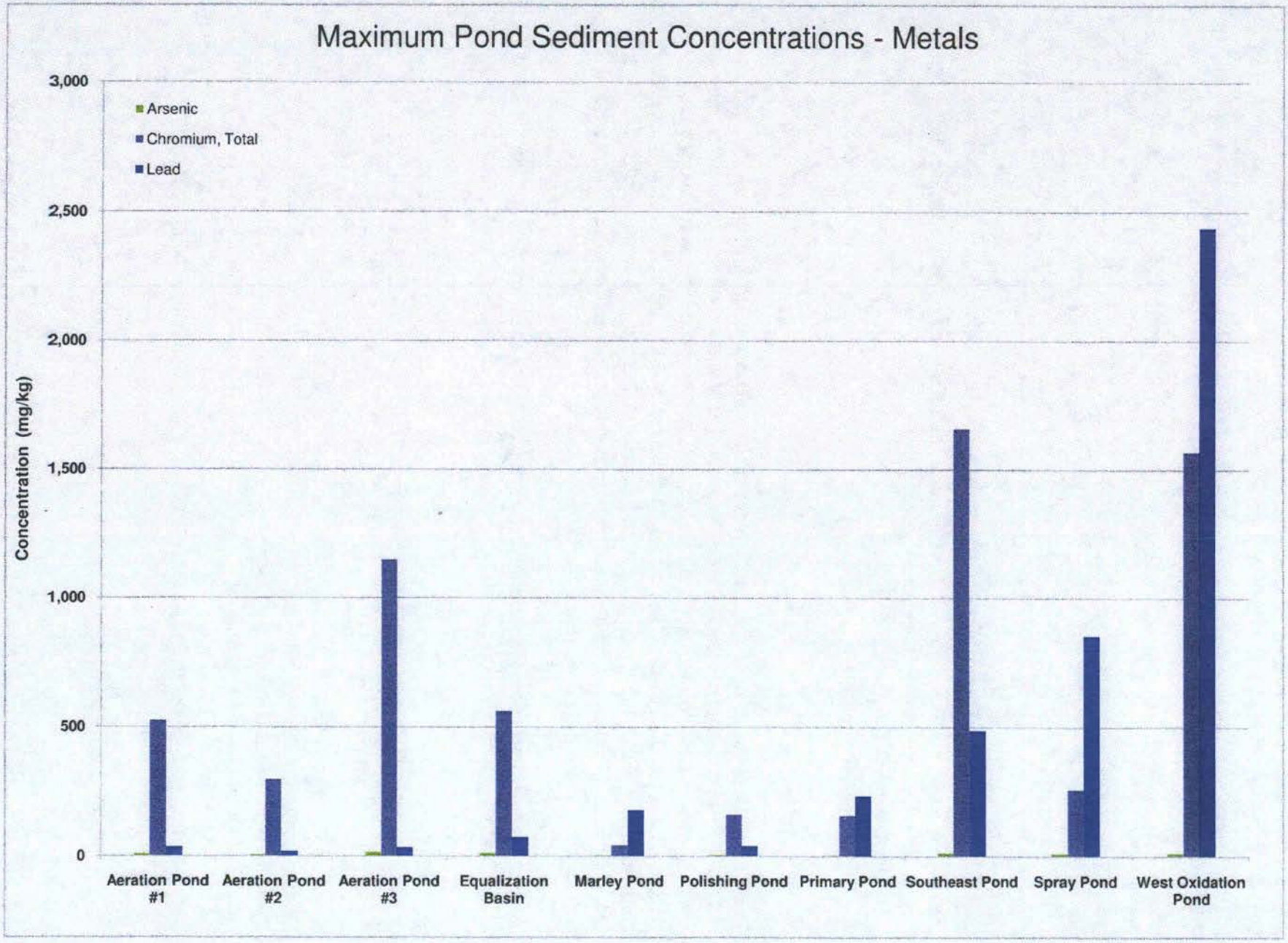


ATTACHMENT A


Maximum Pond Sediment Concentrations - VOCs
Benzene
Ethylbenzene
Toluene
Xylenes, total
Concentration (µg/kg)
30,000
25,000
20,000
15,000
10,000
5,000
0
Aeration Pond #1
Aeration Pond #2
Aeration Pond #3
Equalization Basin
Marley Pond
Polishing Pond
Primary Pond
Southeast Pond
Spray Pond
West Oxidation Pond


Maximum Pond Sediment Concentrations - SVOCs
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Chrysene
Pyrene
Concentration (µg/kg)
250,000
200,000
150,000
100,000
50,000
0
Aeration Pond #1
Aeration Pond #2
Aeration Pond #3
Equalization Basin
Marley Pond
Polishing Pond
Primary Pond
Southeast Pond
Spray Pond
West Oxidation Pond


Maximum Pond Sediment Concentrations - TPH-DRO/GRO
Diesel Range Organics
Gasoline Range Organics
Concentration (mg/kg)
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Aeration Pond #1
Aeration Pond #2
Aeration Pond #3
Equalization Basin
Marley Pond
Polishing Pond
Primary Pond
Southeast Pond
Spray Pond
West Oxidation Pond


Maximum Pond Sediment Concentrations - Metals
Arsenic
Chromium, Total
Lead
Concentration (mg/kg)
3,000
2,500
2,000
1,500
1,000
500
0
Aeration Pond #1
Aeration Pond #2
Aeration Pond #3
Equalization Basin
Marley Pond
Polishing Pond
Primary Pond
Southeast Pond
Spray Pond
West Oxidation Pond

KANSAS

Mark Parkinson, Governor
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH
AND ENVIRONMENT

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Division of Environment

RECEIVED
JUL 28 2009
BY LD WCH-1

July 27, 2009

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Study Work Plan
Coastal El Dorado Refinery Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt of the letter dated July 23, 2009 from El Paso Corporation regarding the recent teleconference held on July 21, 2009 between representatives of KDHE-BER and MWH. KDHE-BER has reviewed the supplemental information provided in the aforementioned letter and finds the outlined approach acceptable for performing the work described in the previously approved *Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Work Plan.*

Should you have any questions regarding this letter, please contact me by phone at 785-296-5555 or email at mweiser@kdheks.gov.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Bill Pickens, MWH
(Eric Staab, KDHE-BOW e-copied)

KANSAS

Mark Parkinson, Governor
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH
AND ENVIRONMENT

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Division of Environment

RECEIVED
SEP 30 2009
BY: DT-WAH

September 28, 2009

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Asphalt Handling AreaTreatability Study Work Plan
~~Coastal El Dorado Refinery Site; El Dorado, Kansas~~

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE–BER) acknowledges receipt of the above mentioned work plan prepared by MWH on behalf of El Paso Corporation (El Paso). KDHE-BER has completed its review of the *Asphalt Handling Area Treatability Study Work Plan* (work plan) and approves the document with the following comments.

1. *Table 2.1:* At this stage in the process, KDHE-BER considers the performance criteria summarized in Table 2.1 as target goals for the treatability study which, if necessary, may need to be revised as the process progresses.

2. *Section 4.1:* KDHE-BER recognizes that as the treatability study progresses slight adjustments may need to be made to achieve the performance criteria outlined in the work plan. However, please be advised KDHE-BER expects to be notified, phone or email is acceptable, to discuss and provide approval for all significant adjustments not contemplated in the work plan.

Should you have any questions regarding this letter, please contact me by phone at 785-296-5555 or email at mweiser@kdheks.gov.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Bill Pickens, MWH

KANSAS
DEPARTMENT OF HEALTH AND ENVIRONMENT
Division of Environment

RECEIVED
NOV 02 2009
BY: WCH-1

Kathleen Sebelius, Governor
Roderick L. Bremby, Secretary
www.kdheks.gov

October 29, 2009

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Third Phase Environmental Investigation Report
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE–BER) acknowledges receipt of the above mentioned report. KDHE-BER has completed its review of the *Third Phase Environmental Investigation Report* (report) dated September 2009 and approves the document with the following comments.

General Comments

1. Surface Water Data: As indicated in the text of the report, surface water analytical results were compared to the Kansas Surface Water Quality Standard (SWQS) or EPA Region 5 Ecological Screening Levels (ESL) when a Kansas SWQS was unavailable. While SWQS and/or EPA Region 5 ESLs may not be available for all compounds, screening levels have been established for a few of the compounds identified as "NA" on Table 5 and have historically been reported in other site-related documents. Specifically, EPA Region 5 ESLs for vanadium (12 micrograms per liter (μg/L)) and 2-methylnaphthalene (330 μg/L) were presented in the 2007 document, *Surface Water Sampling Report: West Branch Walnut River, 2005-2006* and EPA Region 5 ESLs have been established for carbon disulfide (15 μg/L) and cobalt (24 μg/L). In order to provide consistency between site-related documents and an accurate representation of all data collected, please revise Table 5 and any written text as appropriate, to include any and all surface water quality criteria established in regulation or, as applicable, EPA Region 5 ESLs.

2. Investigation Activities: In general, KDHE-BER concurs that the characterization data gathered to date, excluding the additional activities described in Section 13, are sufficient for moving forward with the risk assessment and corrective action phases of the project. However, please be advised should a significant change in Site conditions and/or contaminant plume migration occur further investigation activities may be warranted.

3. Interim Measures: KDHE-BER would like to note that in addition to the previously submitted and approved *Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Work Plan*, the KDHE-BER has also recently approved an *Asphalt Handling Area Treatability Study Work Plan*. KDHE-BER acknowledges additional interim measures (IM) will be necessary to facilitate pond closure activities; however, to keep things concise, to better facilitate document review, and to minimize review cycles for individual documents, KDHE-BER requests one IM work plan design/package be submitted to incorporate any remaining IM activities (i.e., main process area (MPA) interception trench/stormwater basin, MPA landfarming of soils, etc.). Although we would appreciate El Paso Corporation's cooperation in this regard, we would be willing to consider other alternative suggestions. In our opinion, this should represent a more efficient and cost-effective approach to ensure pond closure by 2012.

Specific Comments

1. Section 4.3.2, Page 16: During the discussion of semi-volatile organic compounds (SVOCs) analytical results, the text indicates none of the detected SVOC levels exceeded the consensus-based threshold effect concentrations (TEC). The text further indicates bis(2-ethylhexyl)phthalate was detected in sediment sample SED-01. On the contrary, comparison of the analytical results provided in Table 4b, Figure 8, and Appendix B indicates bis(2-ethylhexyl)phthalate was not detected in sediment sample SED-01 but was detected in sediment sample SED-10 at a concentration of 180 micrograms per kilogram (µg/kg). In addition, it appears as though the TEC values provided on Table 4b are given in milligrams per kilogram (mg/kg) while the laboratory analytical results are presented in µg/kg. Upon further review, it became apparent that the concentration of pyrene (660 µg/kg) detected in sediment sample SED-11 exceeds the corrected TEC of 195 µg/kg. Please revise this section of the report as necessary and provide a replacement page(s) for inclusion into the report.

2. Section 5.5.3, Page 26; Section 9.3.2, Page 58: A few inconsistencies were noted between the written text in Sections 5.5.3 and 9.3.2 of the report and the data provided in Tables 5 and 9b, respectively. Specifically, in Section 5.5.3 the second bullet point on the top of Page 26 states that the concentration of mercury detected at Transect #3 in 2005 was 0.3 µg/L, however; Table 5 indicates the concentration was 6.3 µg/L. Further, the last bullet point on Page 26 states total dissolved solids ranged from 290 mg/L to 740 mg/L in 2005 while Table 5 indicates a range from 290 mg/L to 310 mg/L. During the analytical results discussion for the Asphalt Handling Area (AHA) in Section 9.3.2, the text indicates one soil sample, TR-05-2-3, exceeded the KDHE Tier 2 level for lead. Based on comparison of the analytical results provided in Table 9d, Figure 55, and Appendix B, the exceedence occurred at sample location TR-10-2-3. Please review and revise accordingly and provide replacement pages as appropriate.

3. Section 13.4: As previously discussed in our April 21, 2009 letter, if access agreements for the installation of permanent monitoring wells in the residential area east of Topeka Street cannot be obtained in a timely fashion, an alternative means for assessing the extent of groundwater impacts

in this area may be required (i.e., using a GeoProbe to collect groundwater samples, etc.).

4. Section 13.5: KDHE-BER concurs with the continuation of annual surface water sampling as proposed in Section 13.5.

5. Section 13.6: While KDHE-BER concurs with the proposed groundwater monitoring program, we request the monitoring wells to be installed in the residential area east of Topeka Street be included in the monitoring well network. If access for monitoring well installation cannot be obtained and/or the wells are not installed by the 2010 first semi-annual sampling event, an alternate monitoring well (i.e., N4-2) should be sampled. In addition, KDHE-BER approves the use of Hydrasleeve samplers as long as an adequate volume of groundwater is recovered from each well for the intended analysis. KDHE-BER also approves the modified analysis parameters list discussed in the second paragraph on Page 96 of the report.

6. Table 4b: As discussed in the above Specific Comment No. 1, it appears as though the TEC values provided on Table 4b are given in mg/kg while the laboratory analytical results are presented in µg/kg. Please review the data presented in Table 4b and revise accordingly.

KDHE-BER requests a written response to the above comments and all requested revisions as replacement pages by November 30, 2009. Should you have any questions regarding this letter, please contact me by phone at 785-296-5555 or email at mweiser@kdheks.gov.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Bill Pickens, MWH

EIDOLADO 3.1.7.6.27

elpaso

November 23, 2009

Margaret J. Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation
Kansas Department of Health and Environment
1000 SW Jackson, Suite 410
Topeka, KS 66612-1367

Re: Response to KDHE-BER Comments
Third Phase Environmental Investigation Report
Former El Dorado Refinery
El Dorado, Kansas

Dear Ms. Weiser:

El Paso Merchant Energy-Petroleum Company (EPME-PC) submits these responses to the comments presented in the October 29, 2009 letter from the Kansas Department of Health and Environment, Bureau of Environmental Remediation (KDHE-BER) regarding the *Third Phase Environmental Investigation Report, El Dorado Refinery, El Dorado, Kansas, September 2009* (Report). In the October 29, 2009 letter, the KDHE-BER approved the Report, but requested minor clarifications/changes and submission of a formal response. Provided below are the general and specific comments from the KDHE-BER letter, along with EPME-PC's responses.

General Comments

#1 Surface Water Data

KDHE-BER Comment:

As indicated in the text of the report, surface water analytical results were compared to the Kansas Surface Water Quality Standard (SWQS) or EPA Region 5 Ecological Screening Levels (ESL) when a Kansas SWQS was unavailable. While SWQS and/or EPA Region 5 ESLs may not be available for all compounds, screening levels have been established for a few of the compounds identified as "NA" on Table 5 and have historically been reported in other site-related documents. Specifically, EPA Region 5 ESLs for vanadium (12 micrograms per liter (µg/L)) and 2-methylnaphthalene (330 µg/L) were presented in the 2007 document, Surface Water Sampling Report: West Branch Walnut River, 2005-2006 *and EPA Region 5 ESLs have been established for carbon disulfide (15 µg/L) and cobalt (24 µg/L). In order to provide consistency between site-related documents and an accurate representation of all data collected, please revise Table 5 and any written text as appropriate, to include any and all surface water quality criteria established in regulation or, as applicable, EPA Region 5 ESLs.*

EPME-PC Response:
Screening levels for cobalt, vanadium, carbon disulfide, and 2-methylnaphthalene have been added to Table 5. However, no significant changes to the findings or conclusions of the report resulted from these changes. Revised tables and text inserts are provided with this letter.

#2 ***Investigation Activities***
KDHE-BER Comment:
In general, KDHE-BER concurs that the characterization data gathered to date, excluding the additional activities described in Section 13, are sufficient for moving forward with the risk assessment and corrective action phases of the project. However, please be advised should a significant change in Site conditions and/or contaminant plume migration occur further investigation activities may be warranted.

EPME-PC Response:
EPME-PC will proceed ahead with the additional activities described in Section 13, but will let the KDHE-BER know if any changes in site conditions are discovered.

#3 ***Interim Measures:***
KDHE-BER Comment:
KDHE-BER would like to note that in addition to the previously submitted and approved Wastewater/Stormwater Pond Chemical Stabilization and Solidification Treatability Work Plan, *the KDHE-BER has also recently approved an* Asphalt Handling Area Treatability Study Work Plan. *KDHE-BER acknowledges additional interim measures (IM) will be necessary to facilitate pond closure activities; however, to keep things concise, to better facilitate document review, and to minimize review cycles for individual documents, KDHE-BER requests one IM work plan design/package be submitted to incorporate any remaining IM activities (i.e., main process area (MPA) interception trench/stormwater basin, MPA landfarming of soils, etc.). Although we would appreciate El Paso Corporation's cooperation in this regard, we would be willing to consider other alternative suggestions. In our opinion, this should represent a more efficient and cost-effective approach to ensure pond closure by 2012.*

EPME-PC Response:
EPME-PC will stream-line the submittal of IM work plans to the extent practicable in order to assure that the process is both efficient and cost-effective. However, the expedited schedule for pond closure necessitates that certain work plans be submitted separately from others, given that data are not currently available for all of the work plans that need to be submitted for the site. For example, a combined design work plan will soon be submitted for storm sewer, process sewer, and fire water line abandonment; surface concrete removal; site grading; and stormwater basin design. Design work must begin immediately to allow for bidding and construction in 2010.

Landfarming of impacted soils will also need to occur as part of the site IM. However, the Application to Landfarm Petroleum Contaminated Soils Without a Permit is best completed after the design of the stormwater basin so that the exact landfarm area, erosion controls and sediment basin sizing can be incorporated into the landfarming plan. In addition, the stormwater pond closure plan cannot be finalized and design initiated until the sediment treatability results are available and analyzed. Similarly, replacement stormwater and groundwater treatment system sizing depends upon the design details of the new stormwater basin and, hence, must be completed after those details are finalized. The project schedule shows the interrelations and dependencies between various tasks that EPME-PC believes necessitate the staggering of work plans and designs to meet the 2012 Pond closure deadline.

Specific Comments

#1 Section 4.3.2., Page 16

KDHE-BER Comment:

During the discussion of semi-volatile organic compounds (SVOCs) analytical results, the text indicates none of the detected SVOC levels exceeded the consensus-based threshold effect concentrations (TEC). The text further indicates bis(2-ethylhexyl)phthalate was detected in sediment sample SED-01. On the contrary, comparison of the analytical results provided in Table 4b, Figure 8, and Appendix B indicates bis(2-ethylhexyl)phthalate was not detected in sediment sample SED-01 but was detected in sediment sample SED-10 at a concentration of 180 micrograms per kilogram (µg/kg). In addition, it appears as though the TEC values provided on Table 4b are given in milligrams per kilogram (mg/kg) while the laboratory analytical results are presented in µg/kg. Upon further review, it became apparent that the concentration of pyrene (660 µg/kg) detected in sediment sample SED-11 exceeds the corrected TEC of 195 µg/kg. Please revise this section of the report as necessary and provide a replacement page(s) for inclusion into the report.

EPME-PC Response:

The text has been revised to state that bis(2-ethylhexyl)phthalate was detected in sediment sample SED-10. Table 4b has been corrected to show the correct TEC values. Figure 8 was revised to show the pyrene (660 ug/kg) exeedance in sediment sample SED-11. The corrected report text, table, and figures are included herewith.

#2 Section 5.5.3, Page 26; Section 9.3.2, Page 58

KDHE-BER Comment:

A few inconsistencies were noted between the written text in Sections 5.5.3 and 9.3.2 of the report and the data provided in Tables 5 and 9b, respectively. Specifically, in Section 5.5.3 the second bullet point on the top of page 26 states that the concentration of mercury detected at Transect #3 in 2005 was 0.3 µg/L, however; Table 5 indicates the concentration was 6.3 µg/L. Further, the last bullet point on Page 26 states total dissolved solids ranged from 290 mg/L to 740 mg/L in 2005

while Table 5 indicates a range from 290 mg/L to 310 mg/L. During the analytical results discussion for the Asphalt Handling Area (AHA) in Section 9.3.2, the text indicates one soil sample, TR-05-2-3, exceeded the KDHE-BER Tier 2 level for lead. Based on comparison of the analytical results provided in Table 9d, Figure 55, and Appendix B, the exceedence occurred at sample location TR-10-2-3. Please review and revise accordingly and provide replacement pages as appropriate.

EPME-PC Response:
The text changes noted above were made and are included with this letter.

#3 <u>Section 13.4</u>
KDHE-BER Comment:
As previously discussed in our April 21, 2009 letter, if access agreements for the installation of permanent monitoring wells in the residential area east of Topeka Street cannot be obtained in a timely fashion, an alternative means for assessing the extent of groundwater impacts in the area may be required (i.e., using a GeoProbe to collect groundwater samples, etc.).

EPME-PC Response:
If access for installation of permanent monitoring wells is not granted in a timely manner, then EPME-PC will work with KDHE-BER to identify alternative means for assessing the extent of groundwater impacts.

#4 <u>Section 13.5</u>
KDHE-BER Comment:
KDHE-BER concurs with the continuation of annual surface water sampling as proposed in Section 13.5

EPME-PC Response:
EPME-PC will continue the annual surface water sampling as proposed.

#5 <u>Section 13.6</u>
KDHE-BER Comment:
While KDHE-BER concurs with the proposed groundwater monitoring program, we request the monitoring wells to be installed in the residential area east of Topeka Street be included in the monitoring well network. If access for monitoring well installation cannot be obtained and/or the wells are not installed by the 2010 first semi-annual sampling event, an alternate monitoring well (i.e., N4-2) should be sampled. In addition, KDHE-BER approves the use of Hydrasleeve samplers as long as an adequate volume of groundwater is recovered from each well for the intended analysis. KDHE-BER also approves the modified analysis parameters list discussed in the second paragraph on Page 96 of the report.

EPME-PC Response:
Groundwater well N4-2 will be sampled if access for off-site monitoring well installation is not provided before the first 2010 semi-annual sampling event.

#6 **Table 4b**
KDHE-BER Comment:
As discussed in the above Specific Comment No. 1, it appears as though the TEC values provided on Table 4b are given in mg/kg while the laboratory analytical results are presented in µg/kg. Please review the data presented in Table 4b and revise accordingly.

EPME-PC Response:
Table 4b has been corrected to show the correct TEC values. Figure 8 was revised to show the pyrene (660 ug/kg) exeedance in sediment sample SED-11. The corrected report text, table, and figures are included herewith.

Included with this letter are the following:

- Revised CD #1, containing pdfs of the entire report (without Appendix B), including the revised text, tables, and figures;
- revised Tables 4B and 5;
- revised Figures 7 and 8; and
- revised text pages

EPME-PC appreciates your review and comments. Please feel free to contact me at (719) 520-4615 with any questions, additional comments, or concerns.

Sincerely,

Brian Kellmann
Project Manager
Environmental Remediation
El Paso Corporation

Enclosure

cc: William Pickens (MWH)
Doug Mick (MWH)

The locations and analytical results of the collected sediment samples are shown on **Figure 7** and **8**, and the analytical results of the sediment samples are shown in **Tables 4a** through **4d**. Analytical laboratory reports are presented in **Appendix B** for the river and creek sediment samples. There were 298 sample results that were above the laboratory reporting limits, of those, five were above the TECs. The river/creek sediment sample results above the Sediment Standard TEC values are summarized as follows:

- Metals:
  - One exceedance of lead in SED-10 (45.9 mg/kg) above the TEC of 35.8 mg/kg.
  - Four exceedances of nickel in SED-10 (22.9 mg/kg), SED-11 (23.2 mg/kg), SED-12-Dup (23.9 mg/kg), and STF-CR-W (0-6) (28.7 mg/kg) above the TEC of 22.7 mg/kg.
- Semi-volatile organic compounds (SVOC): Except for pyrene (660 µg/kg, SED-11), which exceeded the TEC of 195 µg/kg, none of the detected SVOC levels exceeded TECs. Bis(2-ethylhexyl)phthalate was detected in samples SED-10 (180 µg/kg) and SED-11 (230 µg/kg). However, no TEC is available for bis(2-ethylhexyl)phthalate.
- Volatile organic compounds: No VOC TECs are available. VOCs detected above laboratory reporting limits included: Benzene (SED-03, 9 µg/kg and SED-11, 1,900 µg/kg), ethylbenzene (SED-11, 310 µg/kg), total xylenes (SED-03, 13 µg/kg and SED-11, 550 µg/kg), and methyl ethyl ketone (MEK, a common lab contaminant) (background samples SED-05D, 9 µg/kg and SED-05E, 6 µg/kg).
- Total petroleum hydrocarbons: No TPH TECs are available. TPH-GRO levels were detected above laboratory reporting limits in SED-10 (86 mg/kg) and SED-11 (150 mg/kg). TPH-DRO levels were detected above laboratory reporting limits in samples SED-01 (10 mg/kg), SED-02 (130 mg/kg), SED-10 (11 mg/kg), SED-11 (510 mg/kg), and STFCR-W (34 mg/kg).

4.3.3 Data Discussion

The collected data were compared to individual background values from sample locations and to the applicable Sediment Standard TEC values. **Figure 7** and **8** show the river/creek sediment sample exceedances. The background sediment samples (samples SED-05A through SED-05E) did not exceed any of the Sediment Standard TEC values. The WBWR

- Barium was detected at all five transects in 2005, 2006, and 2009. No barium concentrations exceeded the Screening Level of 1,000 µg/L.
- Mercury was detected at four transects in 2005 (0. 63 µg/L at upgradient Transect #1, 1.4 µg/L at Transect #2, 6.3J µg/L at Transect #3, and 2.6 µg/L at Transect #4) and at three transects in 2009 (1.1 µg/L at upgradient Transect #1, 0.5 µg/L at Transect #2, and 0.3 µg/L at Transect #4). All of these concentrations were above the Screening Level for mercury of 0.146 µg/L. There was no mercury detected above the reporting limits in 2006.
- Vanadium was detected at levels above the Screening Level (12 µg/L) in Transect #1 (15 µg/L), Transect #2 (13 µg/L), Transect #3 (13 µg/L), and Transect #4 (15 µg/L) collected in 2005. However, no vanadium levels were detected above laboratory reporting levels in any of the samples collected in 2006 and 2009.
- Total chromium, cobalt, copper, nickel, and zinc were detected above laboratory reporting limits in all samples.
- Although there are not any Screening Levels associated with calcium, iron, magnesium, manganese, potassium, and sodium, the concentrations for these six metals increased considerably between June 2005 and November 2006; and decreased considerably from November 2006 to February 2009.

General Chemistry

- Chloride was detected at all transects in 2005, 2006, and 2009. No chloride concentrations were above the Screening Level (250 mg/L) in 2005 or in 2009. Chloride concentrations were detected above the Screening Level at all transects in 2006 (754 mg/L at upgradient Transect #1, 818 mg/L at Transect #2, 695 mg/L at Transect #3, 464 mg/L at Transect #4, and 774 mg/L at upgradient Transect #5).
- Cyanide was detected above the Screening Level (0.0052 mg/L) at Transect #3 (0.0132 mg/L) in February 2009. Cyanide had not previously been detected at the Site.
- Total dissolved solids (TDS) ranged from 290 mg/L to 310 mg/L in 2005, from 1,130 to 1,310 in 2006, and from 443 mg/L to 464 mg/L in 2009. There is no established Screening Level for TDS.

The field equipment was used and maintained according to the manufacturer's directions. General guidelines on calibration and operating procedures for typical field equipment were described in the Work Plan. Field personnel recorded PID readings in the field notebook used to document field procedures. The instrument was calibrated prior to use according to the manufacturer's specifications. The instrument calibration was checked at the end of each day of use and any time meter drift was suspected. All calibration information was recorded in a field book.

9.3 Laboratory Analyses

9.3.1 Methods

The majority of samples collected were analyzed for the modified Skinner List metals, TPH-GRO and TPH-DRO, and BTEX. Approximately ten percent of the samples were analyzed for the modified Skinner List volatiles, semi-volatiles, metals; TPH-DRO and TPH-GRO; and hydrocarbon fraction analysis by the MADEP VPH and EPH hydrocarbon fraction methods. In addition, selected samples from heavily impacted areas were analyzed for TCLP metals, volatiles, and semi-volatiles.

9.3.2 Analytical Results

The analytical results for the soil samples from the trenches are shown in **Tables 9a** through **9g**. Analytical laboratory reports are presented in **Appendix B** for the AHA samples. **Figure 55** presents analytical data that were detected above Screening Levels.

Fifty-five samples contained analytes above the KDHE Tier 2 RSK Non-residential Soil or Soil to Groundwater Standards (Screening Levels). The soil sample results (including estimated values) are summarized below.

- Metals: One exceedance of lead in TR-10-2-3 (6,370 mg/kg)
- Semi-volatile Organic Compounds:
  - There was one exceedance of 2,4 dinitophenol in TR-05-2-4 (12,000 μg/kg).
  - There were three exceedances of benzo(a)anthracene. The maximum concentration was 44,000J μg/kg in sample TR-11-4-5.

Limestone, the Fort Riley Limestone, and the Shallow System (alluvium and weathered bedrock residuum).

- Upward groundwater gradients were also observed in the STF in well sets OW-06 (Fort Riley)/N5-3 (alluvium/residuum), adjacent to Topeka Street, and well sets TW-104S (Fort Riley)/TW-104D (Fort Riley) and TW-25S (Fort Riley)/TW-25D (Fort Riley), and TW-106S (Fort Riley)/TW-106D (Fort Riley), which were installed at the northwestern corner of the STF. Downward groundwater gradients were noted in all of the other clustered well sets that were located to the west of Topeka Street.
- LNAPL was observed in the deeper Fort Riley well TW-103D, but not in the more shallow Fort Riley well TW-103S.
- The presence of competent limestone at the base of the Fort Riley Limestone and the Oketo Shale underlying the Fort Riley Limestone, which was detected by the natural gamma logging performed as part of the Second Phase Investigation, are likely preventing vertical migration of impacted, shallow groundwater into the underlying Florence Limestone. This is evidenced by the lack of groundwater contamination detected in wells completed in the Florence Limestone.
- The upward groundwater gradients observed closer to the WBWR are also preventing deeper migration of shallow, impacted groundwater.

12.2 River and Creek Sediment and Surface Water

12.2.1 WBWR

- None of the WBWR river sediment samples (samples SED-01 through SED-05) contained analytes above Screening Levels.
- Calcium, iron, magnesium, manganese, potassium and sodium were detected in all five samples collected from the WBWR in 2009. However, there are no applicable Screening Levels for these analytes.
- Barium was detected in the surface water samples collected from all five locations in the WBWR, but concentrations were below the Screening Level of 1,000 µg/L.

- Mercury was detected in the surface water samples collected from Transects #1, #2, and #4. Concentrations from all three samples exceeded the Screening Level for mercury (0.146 µg/L). The highest mercury concentration was measured in upgradient Transect #1 (1.1 µg/L), which is located adjacent to the Pester Burn Pond site. Transect #5 is located furthest upgradient of the site and did not indicate a mercury concentration that exceeded Screening Levels.
- Cyanide was detected above the Screening Level (0.0052 mg/L) at Transect #3 (0.0132 mg/L) during the February 2009 event. Cyanide was not detected in previous surface water sampling events in 2005 or 2006.
- TDS levels measured in 2009 samples (up to 464 mg/L), were substantially lower than the 2006 samples (up to 1,310 mg/L) and are considered consistent with expected values for stream surface water samples.
- No VOCs were detected above laboratory reporting limits in the surface water samples collected from the WBWR in February 2009. In addition, no SVOCs, TPH-DRO or TPH-GRO levels were detected above laboratory reporting limits.

12.2.2 STF Creek and STF Pond

- Four out of five of the STF Creek sediment samples had exceedances of Screening Levels for lead and/or nickel. However, comparable lead and nickel values were detected in the background location, SED-12.
- Pyrene (660 µg/kg) was detected above the TEC level (195 µg/kg) in sediment sample SED-11.
- Analytes detected in the samples included: chloride, sulfate, PHC as diesel fuel (estimated level), PHC as gasoline (estimated level), benzene, and methyl tert-butyl ether. Except for the chloride sample (450D mg/L) collected from the SW-CREEK location, all detected parameters were below their respective Screening Levels.

12.3 Pond Sediment Sampling and Analysis

- Analytes that exceeded Screening Levels (including estimated values below laboratory reporting limits) in sediment samples in each pond are as follows:
  - Marley Pond – benzo(a)pyrene, chrysene, benzene, naphthalene, and TPH-GRO

- Spray Pond – anthracene, benzo(a)pyrene, chrysene, pyrene, benzene, carbon disulfide, naphthalene, TPH-GRO, and TPH-DRO
- Primary Pond - benzo(a)pyrene, chrysene, benzene, and TPH-GRO
- West Oxidation Pond - lead, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, pyrene, benzene, naphthalene, carbon disulfide, TPH-GRO, and TPH-DRO
- Southeast Pond - carbon disulfide
- Equalization basin – benzo(a)pyrene, chrysene, benzene, TPH-GRO, and TPH-DRO
- Aeration Pond #1 – benzene
- Aeration Pond # 2 - no exceedances
- Aeration Pond #3 – benzene
- Polishing Pond - no exceedances
- None of the sediment samples submitted for TCLP analysis exceeded the toxicity characteristic limit (40 CFR Part 261.24 Table 1).

- The following sediment volumes (bank cubic feet) were estimated:
  - Spray Pond: 27,321 ft^3
  - Marley Pond: 24,957 ft^3
  - Primary Pond: 8,041 ft^3
  - West Oxidation Pond: 112,139 ft^3
  - Polishing Pond: 5,296 ft^3
  - Aeration Pond #3: 26,576 ft^3
  - Aeration Pond #2: 2,877 ft^3
  - Aeration Pond #1: 3,284 ft^3
  - Equalization Basin: 15,039 ft^3
  - Southeast Pond: 25,909 ft^3

  TOTAL: 251,439 ft^3

12.4 Pond Soil

- Analytes that exceeded Screening Levels (nonresidential) in soil samples collected beneath the sediment in each pond included the following:

- Marley Pond - benzene
- The Spray Pond – benzene, and TPH-GRO
- Primary Pond – benzene, and TPH-GRO
- West Oxidation Pond – pyridine, benzene, and TPH-GRO
- Southeast Pond - no exceedances
- Equalization basin - no exceedances
- Aeration Pond #1 – benzene, and TPH-GRO
- Aeration Pond # 2 - no exceedances
- Aeration Pond #3 – benzene, and TPH-GRO
- Polishing Pond – TPH-GRO

- Soils observed in pond soil borings were primarily described as silty clay (lean clay) overlying fractured limestone. Soil thicknesses were observed to range in thickness from 2.5 feet (PSB-21 and PSB-23) to 13 feet (PSB-15).
- Significant vertical migration of hydrocarbon constituents from the pond sediments into underlying soils would not be expected given the general low permeability of silty clay. However, based on analytical data, soil headspace gas readings, and field observations, some vertical leaching appeared to have occurred through the silty clay into the underlying fractured limestone at Aeration Pond #1, Aeration Pond #3, and the Spray Pond. Specific borings include PSB-06 (Aeration Pond #3), PSB-08 (Aeration Pond #3), PSB-12 (Aeration Pond #1), and PSB-28 (Spray Pond).
- PID readings and observations in borings PSB-05 (Polishing Pond), PSB-19 (West Oxidation Pond), PSB-22 (West Oxidation Pond), PSB-23 (West Oxidation Pond), PSB-26 (Primary Pond), PSB-27 (Spray Pond), and PSB-30 (West Oxidation Pond) indicate higher levels of impact in the fractured limestone than in the overlying silty clay. This indicates the impacts in these areas are largely due to migration of contaminated groundwater from upgradient sources rather than from vertical migration of hydrocarbons in the pond sediment.

12.5 Asphalt Handling Area

- Analyte levels (including estimated concentrations) in samples of waste and soil stockpiles above Screening Levels (nonresidential) in the AHA included the following:

- One exceedance of lead (6,370 mg/kg)
- One exceedance of 2,4 dinitophenol (12,000 µg/kg)
- Three exceedances of benzo(a)anthracene (up to 44,000J µg/kg)
- Twenty-four exceedances of benzo(a)pyrene (up to 35,000J µg/kg)
- Seventeen exceedances of chrysene (up to 81,000 µg/kg)
- Four exceedances of dibenzo(a,h)anthracene (up to 8,500J µg/kg)
- One exceedance of naphthalene (10,000 µg/kg)
- Two exceedances of benzene (up to 1,100D µg/kg)
- One exceedance of TPH-DRO (17,000 mg/kg)
- One exceedance of TPH-GRO (220 mg/kg)

- Shallow impacts in the AHA are likely due to historical management of liquid asphaltic wastes in this area (stabilization, mixing and spreading).
- None of the samples submitted for TCLP analysis exceeded the maximum toxicity characteristic levels (40 CFR Part 261.24 Table 1).
- The estimated volume of waste within the AHA pit is approximately 300,000 ft^3 (bank cubic feet). The estimated volume within the soil stockpiles surrounding the pit, based on field observations, is 550,000 ft^3.
- Vertical migration (approximately 32 feet) of hydrocarbons occurred through fractured bedrock in the vicinity of the AHA liquids pit based on soil/cuttings headspace gas data.
- LNAPL was measured in groundwater monitoring wells located downgradient of the former AHA pit.

12.6 Site Soil

- The geotechnical results of the soil samples tested were found to be lean or fat clays (CL or CH) with specific gravity ranging from 2.59 to 2.71. The 15 background soil samples and the five samples from "nonbackground" areas had very similar geotechnical results.
- Organic analytes detected in soil samples above Screening Levels (nonresidential) at the Site included the following:
  - MPA – 2-methylnaphthalene, anthracene, benzene, ethylbenzene, chloroform, chrysene, TPH-DRO, TPH-GRO, and naphthalene,

- STF – benzene, ethylbenzene, TPH-DRO, TPH-GRO, MTBE, and naphthalene,

- None of the samples submitted for TCLP analysis exceeded the maximum toxicity criteria (40 CFR Part 261.24 Table 1).
- There were numerous locations of organic impacts above Screening Levels in the MPA, AHA, and the northern portion of the STF. This is indicative of multiple, shallow hydrocarbon releases in these areas.
- Based on soil/cuttings headspace gas data, the maximum vertical migration (approximately 32 feet) of hydrocarbons occurred through fractured bedrock in the vicinity of the AHA liquids pit and within the former tank farm in the northwest corner of the STF.
- Based on the ProUCL evaluation of shallow soil metals data, the concentrations of the following metals at the Site exceed background levels: arsenic, barium, cadmium, chromium, lead, magnesium, mercury, nickel, potassium, and zinc. However, except for lead (nineteen samples) and arsenic (two samples), none of these metals were detected at levels greater than Screening Levels.
- Soils impacted with lead were detected at the MPA and at the north-central portion of the STF. Lead concentrations were measured at levels up to 28,000 mg/kg (SB-25, 4 to 6 feet) in the MPA and up to 2,020 mg/kg in the STF STFPSB-02, (2 to 4 feet). Lead was not detected above the Screening Level in soil samples collected at depths below six feet at the Site.
- Above pH 6, lead sorbs strongly to high cation exchange soils (such as the clay underlying the Site) and is relatively immobile (EPA, 1992). The immobility of the sorbed lead in soil is further evidenced by the fact that none of the groundwater samples collected in 2009 contained dissolved lead levels above Screening Levels (discussed in Section 10).
- A buried waste area containing elevated lead (2,020 mg/kg), TPH-DRO (27,000 mg/kg, and TPH-GRO (2,900 mg/kg) was encountered in the north-central portion of the STF. Based on observations made in borings in this area, the area of the waste is approximately 2,000 square feet and the depth is approximately 5 feet. Based on the analysis of the soil sample collected beneath the burial area (STFPSB-02, 5 to 7 feet), the waste in the burial pit has not leached significantly into underlying soils.

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas
(Page 1 of 8)

Analyte/Methods (Units)	Location Identification	SED-01	SED-02	SED-03	SED-03-50 (DUP of SED-03)	SED-04
	Source Area	WBWR	WBWR	WBWR	WBWR	WBWR
	Laboratory Sample Identification	A7C42903RE	A7C42904RE	A7C42909RE	A7C42910RE	A7C42908RE
	Date Collected	10/24/2007	10/24/2007	10/25/2007	10/25/2007	10/25/2007
	Sediment Standard TEC [(A)]					
Semivolatile Organic Compounds (µg/kg)						
1,2-Dichlorobenzene	NA	<240	<250	<230	<250	<280
1,3-Dichlorobenzene	NA	<240	<250	<230	<250	<280
1,4-Dichlorobenzene	NA	<240	<250	<230	<250	<280
2,4-Dimethylphenol	NA	<150	<150	<140	<150	<170
2,4-Dinitrophenol	NA	<150	<150	<140	<150	<170
2-Methylphenol (o-cresol)	NA	<150	<150	<140	<150	<170
3+4-Methylphenol (m&p-cresols)	NA	<150	<150	<140	<150	<170
4-Nitrophenol	NA	<150	<150	<140	<150	<170
Acenaphthene	NA	<150	<150	<140	<150	<170
Anthracene	57.2	<150	<150	<140	<150	<170
Benzo(a)anthracene	108	<150	<150	**13J**	<150	**20J**
Benzo(a)pyrene	150	<150	<150	**60J**	<150	<170
Benzo(b)fluoranthene	NA	<150	<150	**15J**	<150	<170
Benzo(k)fluoranthene	NA	<150	<150	<140	<150	<170
Bis(2-ethylhexyl)phthalate	NA	<150	<150	<140	**110J**	<170
Chrysene	166	<150	<150	**17J**	<150	<170
Dibenzo(a,h)anthracene	33.0	<150	<150	**9J**	<150	<170
Diethyl phthalate	NA	<150	<150	**13J**	<150	<170
Dimethyl phthalate	NA	<150	<150	<140	<150	<170
Di-n-butylphthalate	NA	<150	<150	<140	<150	<170
Fluoranthene	423	<150	<150	**12J**	<150	<170
Fluorene	77.4	<150	<150	**12J**	<150	<170
Indeno(1,2,3-cd)pyrene	NA	<150	<150	**16J**	<150	<170
Naphthalene	176	<150	<150	**32J**	**25J**	<170

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas
(Page 2 of 8)

Analyte/Methods (Units)	Location Identification	SED-01	SED-02	SED-03	SED-03-50 (DUP of SED-03)	SED-04
	Source Area	WBWR	WBWR	WBWR	WBWR	WBWR
	Laboratory Sample Identification	A7C42903RE	A7C42904RE	A7C42909RE	A7C42910RE	A7C42908RE
	Date Collected	10/24/2007	10/24/2007	10/25/2007	10/25/2007	10/25/2007
	Sediment Standard TEC [(A)]					
Semivolatile Organic Compounds (µg/kg)						
Phenanthrene	204	<150	**25J**	**14J**	<150	<170
Phenol	NA	<150	<150	<140	<150	<170
Pyrene	195	<150	<150	**10J**	<150	**55J**
Pyridine	NA	<150	<150	<140	<150	<170
Quinoline	NA	<150	<150	<140	<150	<170

(µg/kg) micrograms per kilogram
(A) Bureau of Environmental Remediation Sediment Policy, #BER-ARS-045, Jan. 9, 2004 and D.D. MacDonald, C.G. Ingersoll, and T.A. Berger, 2000. Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems. Archives of Environmental Contamination and Toxicology, 39, 20-31 (2000).
TEC Consensus-Based Threshold Effect Concentration
Bold Bolded result indicates positively identified compound.
Shaded Shaded result indicates result greater than or equal to the Sediment Standard
NA Not applicable
J The analyte was positively identified, the quantitation is an estimation.
B The analyte was found in an associated blank, as well as in the sample.
DUP Duplicate sample

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas
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Analyte/Methods (Units)	Location Identification	SED-05A	SED-05B	SED-05C	SED-05D	SED-05E
	Source Area	WBWR Background	WBWR Background	WBWR Background	WBWR Background	WBWR Background
	Laboratory Sample Identification	A7C42906RE	A7C42906RE	A7C42907RE	A7C42901RE	A7C42902RE
	Date Collected	10/23/2007	10/23/2007	10/23/2007	10/24/2007	10/24/2007
	Sediment Standard TEC [(A)]					
Semivolatile Organic Compounds (µg/kg)						
1,2-Dichlorobenzene	NA	<210	<220	<250	<230	<230
1,3-Dichlorobenzene	NA	<210	<220	<250	<230	<230
1,4-Dichlorobenzene	NA	<210	<220	<250	<230	<230
2,4-Dimethylphenol	NA	<130	<130	<150	<140	<140
2,4-Dinitrophenol	NA	<130	<130	<150	<140	<140
2-Methylphenol (o-cresol)	NA	<130	<130	<150	<140	<140
3+4-Methylphenol (m&p-cresols)	NA	<130	<130	<150	<140	<140
4-Nitrophenol	NA	<130	<130	<150	<140	<140
Acenaphthene	NA	<130	<130	<150	<140	<140
Anthracene	57.2	<130	<130	<150	<140	<140
Benzo(a)anthracene	108	<130	<130	<150	10J	<140
Benzo(a)pyrene	150	<130	<130	<150	<140	<140
Benzo(b)fluoranthene	NA	<130	<130	<150	<140	<140
Benzo(k)fluoranthene	NA	<130	<130	<150	<140	<140
Bis(2-ethylhexyl)phthalate	NA	<130	<130	<150	<140	<140
Chrysene	166	<130	<130	<150	<140	<140
Dibenzo(a,h)anthracene	33.0	<130	<130	<150	<140	<140
Diethyl phthalate	NA	<130	<130	<150	<140	<140
Dimethyl phthalate	NA	<130	<130	<150	<140	<140
Di-n-butylphthalate	NA	<130	<130	<150	<140	<140
Fluoranthene	423	<130	<130	<150	<140	<140
Fluorene	77.4	<130	<130	<150	<140	<140
Indeno(1,2,3-cd)pyrene	NA	<130	<130	<150	<140	<140
Naphthalene	176	<130	<130	<150	<140	<140

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas

Analyte/Methods (Units)	Location Identification	SED-05A	SED-05B	SED-05C	SED-05D	SED-05E
	Source Area	WBWR Background	WBWR Background	WBWR Background	WBWR Background	WBWR Background
	Laboratory Sample Identification	A7C42906RE	A7C42906RE	A7C42907RE	A7C42901RE	A7C42902RE
	Date Collected	10/23/2007	10/23/2007	10/23/2007	10/24/2007	10/24/2007
	Sediment Standard TEC [(A)]					
Semivolatile Organic Compounds (µg/kg)						
Phenanthrene	204	**19J**	<130	<150	**10J**	<140
Phenol	NA	<130	<130	<150	<140	<140
Pyrene	195	<130	<130	<150	<140	<140
Pyridine	NA	<130	<130	<150	<140	<140
Quinoline	NA	<130	<130	<150	<140	<140

(µg/kg) micrograms per kilogram
(A) Bureau of Environmental Remediation Sediment Policy, #BER-ARS-045, Jan. 9, 2004 and D.D. MacDonald, C.G. Ingersoll, and T.A. Berger, 2000. Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems. Archives of Environmental Contamination and Toxicology, 39, 20-31 (2000).
TEC Consensus-Based Threshold Effect Concentration
Bold Bolded result indicates positively identified compound.
Shaded Shaded result indicates result greater than or equal to the Sediment Standard
NA Not applicable
J The analyte was positively identified, the quantitation is an estimation.
B The analyte was found in an associated blank, as well as in the sample.
DUP Duplicate sample

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas
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Analyte/Methods (Units)	Location Identification	SED-10	SED-11	SED-12	SED-12-50 (DUP of SED-12)	SED-13
	Source Area	STF Creek	STF Creek	STF Creek	STF Creek	AHA Spring
	Laboratory Sample Identification	A7C51501RE	A7C51502RE	A7C51503RE	A7C51504RE/RA	A7C51505RE
	Date Collected	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/29/2007
	Sediment Standard TEC [(A)]					
Semivolatile Organic Compounds (µg/kg)						
1,2-Dichlorobenzene	NA	<220	<250	<240	<280	<220
1,3-Dichlorobenzene	NA	<220	<250	<240	<280	<220
1,4-Dichlorobenzene	NA	**14J**	<250	<240	<280	<220
2,4-Dimethylphenol	NA	<130	<150	<150	<170	<130
2,4-Dinitrophenol	NA	<130	<150	<150	<170	<130
2-Methylphenol (o-cresol)	NA	<130	<150	<150	<170	<130
3+4-Methylphenol (m&p-cresols)	NA	<130	<150	<150	<170	<130
4-Nitrophenol	NA	<130	<150	<150	<170	<130
Acenaphthene	NA	**9J**	<150	<150	**15JB**	<130
Anthracene	57.2	<130	<150	<150	**25J**	<130
Benzo(a)anthracene	108	**17J**	<150	<150	<170	<130
Benzo(a)pyrene	150	**11J**	<150	<150	<170	<130
Benzo(b)fluoranthene	NA	**11J**	<150	<150	<170	<130
Benzo(k)fluoranthene	NA	**11J**	<150	<150	<170	<130
Bis(2-ethylhexyl)phthalate	NA	**180**	**230**	**98J**	**160JB**	<130
Chrysene	166	**15J**	<150	<150	<170	<130
Dibenzo(a,h)anthracene	33.0	**12J**	<150	<150	<170	<130
Diethyl phthalate	NA	<130	<150	<150	<170	<130
Dimethyl phthalate	NA	<130	<150	<150	<170	<130
Di-n-butylphthalate	NA	<130	<150	<150	<170	<130
Fluoranthene	423	**12J**	<150	<150	<170	<130
Fluorene	77.4	<130	<150	<150	**23JB**	<130
Indeno(1,2,3-cd)pyrene	NA	**16J**	<150	<150	<170	<130
Naphthalene	176	<130	<150	<150	**1400JB**	**23JB**

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas

Analyte/Methods (Units)	Location Identification	SED-10	SED-11	SED-12	SED-12-50 (DUP of SED-12)	SED-13
	Source Area	STF Creek	STF Creek	STF Creek	STF Creek	AHA Spring
	Laboratory Sample Identification	A7C51501RE	A7C51502RE	A7C51503RE	A7C51504RE/RA	A7C51505RE
	Date Collected	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/29/2007
	Sediment Standard TEC [(A)]					
Semivolatile Organic Compounds (µg/kg)						
Phenanthrene	204	**14J**	<150	<150	**25JB**	<130
Phenol	NA	**26JB**	<150	<150	<170	<130
Pyrene	195	**10J**	660	<150	<170	<130
Pyridine	NA	<130	<150	<150	<170	<130
Quinoline	NA	<130	<150	<150	<170	<130

(µg/kg) micrograms per kilogram
(A) Bureau of Environmental Remediation Sediment Policy, #BER-ARS-045, Jan. 9, 2004 and D.D. MacDonald, C.G. Ingersoll, and T.A. Berger, 2000. Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems. Archives of Environmental Contamination and Toxicology, 39, 20-31 (2000).
TEC Consensus-Based Threshold Effect Concentration
Bold Bolded result indicates positively identified compound.
Shaded Shaded result indicates result greater than or equal to the Sediment Standard
NA Not applicable
J The analyte was positively identified, the quantitation is an estimation.
B The analyte was found in an associated blank, as well as in the sample.
DUP Duplicate sample

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas

Analyte/Methods (Units)	Location Identification	STF-CR-E (0-6)	STF-CR-W (0-6)
	Source Area	STF Creek	STF Creek
	Laboratory Sample Identification	A8E56202	A8E56201
	Date Collected	11/13/2008	11/13/2008
	Sediment Standard TEC [(A)]		
Semivolatile Organic Compounds (µg/kg)			
1,2-Dichlorobenzene	NA	<240	<260
1,3-Dichlorobenzene	NA	<240	<260
1,4-Dichlorobenzene	NA	<240	<260
2,4-Dimethylphenol	NA	<140	<160
2,4-Dinitrophenol	NA	<140	<160
2-Methylphenol (o-cresol)	NA	<140	**120J**
3+4-Methylphenol (m&p-cresols)	NA	<140	<160
4-Nitrophenol	NA	<140	<160
Acenaphthene	NA	<140	**14J**
Anthracene	57.2	<140	**31J**
Benzo(a)anthracene	108	**10J**	**82J**
Benzo(a)pyrene	150	**41J**	**61J**
Benzo(b)fluoranthene	NA	<140	<160
Benzo(k)fluoranthene	NA	<140	<160
Bis(2-ethylhexyl)phthalate	NA	<140	<160
Chrysene	166	**44J**	**81J**
Dibenzo(a,h)anthracene	33.0	<140	<160
Diethyl phthalate	NA	<140	<160
Dimethyl phthalate	NA	<140	**14J**
Di-n-butylphthalate	NA	<140	<160
Fluoranthene	423	**12J**	**160**
Fluorene	77.4	<140	**16J**
Indeno(1,2,3-cd)pyrene	NA	<140	**46J**
Naphthalene	176	**15J**	**18J**

Table 4b

River/Creek Sediment Sample Analytical Data Summary - SVOCs
El Paso Merchant Energy - Petroleum Company
El Dorado Refinery, El Dorado, Kansas

Analyte/Methods (Units)	Location Identification	STF-CR-E (0-6)	STF-CR-W (0-6)
	Source Area	STF Creek	STF Creek
	Laboratory Sample Identification	A8E56202	A8E56201
	Date Collected	11/13/2008	11/13/2008
	Sediment Standard TEC [(A)]		
Semivolatile Organic Compounds (µg/kg)			
Phenanthrene	204	**12J**	**160**
Phenol	NA	<140	<160
Pyrene	195	**15J**	**140J**
Pyridine	NA	<140	<160
Quinoline	NA	<140	<160

(µg/kg) micrograms per kilogram
(A) Bureau of Environmental Remediation Sediment Policy, #BER-ARS-045, Jan. 9, 2004 and D.D. MacDonald, C.G. Ingersoll, and T.A. Berger, 2000. Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems. Archives of Environmental Contamination and Toxicology, 39, 20-31 (2000).
TEC Consensus-Based Threshold Effect Concentration
Bold Bolded result indicates positively identified compound.
Shaded Shaded result indicates result greater than or equal to the Sediment Standard
NA Not applicable
J The analyte was positively identified, the quantitation is an estimation.
B The analyte was found in an associated blank, as well as in the sample.
DUP Duplicate sample

Table 5

Summary of Analytical Data for Surface Water Samples
El Paso Merchant Energy-Petroleum Company
El Dorado Refinery, El Dorado, Kansas
(Page 1 of 2)

	Location Description	Pester East - WBWR	Pester North - WBWR		El Dorado Refinery North -WBWR				El Dorado Refinery Middle - WBWR			
	Transect	Transect #1	Transect #1	Transect #1	Transect #2	Transect #2	Transect #2	Transect #2	Transect #3	Transect #3	Transect #3	Transect #3
	Sample Identification	TRANSECT-1*	T1	#1	TRANSECT-2	TRANSECT-2 Dup	T2	#2	TRANSECT-3	T3	T3 Dup	#3
	Laboratory Sample Identification	400-2938-1	A6D89801	RSB0168-02	400-2953-1	400-2953-3	A6D89802	RSB0168-03	400-2953-2	A6D89803	A6D89804	RSB0168-04
	Date Collected	6/7/2005	11/20/2006	2/5/2009	6/8/2005	6/8/2005	11/20/2006	2/5/2009	6/8/2005	11/20/2006	11/20/2006	2/5/2009
Analyte (Units)	Kansas Surface Water Quality Standards/EPA Part 131.36 Surface Water Pathway											
General Chemistry (mg/L)												
Alkalinity, Bicarbonate (as $CaCO_3$)	NA	160	n/a	n/a	180	180	n/a	n/a	178	n/a	n/a	n/a
Alkalinity, Carbonate (as $CaCO_3$)	NA	0	n/a	n/a	0	0	n/a	n/a	0	n/a	n/a	n/a
Alkalinity, Hydroxide (as $CaCO_3$)	NA	0	n/a	n/a	0	0	n/a	n/a	0	n/a	n/a	n/a
Alkalinity, Total (as $CaCO_3$)	NA	160	334	301	180	180	332	298	180	338	337	298
Chloride (as Cl)	250	40	75 ID	95	45	45	81 ID	96	46 J	65 DJ	48 ID	96
Cyanide	0.0052	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.033
Fluoride	1	0.26	0.26	0.18	0.35	0.36	0.27	0.19	0.31	0.31	0.31	0.19
Nitrate	10	0.76	0.25	0.534B	0.97	0.94	0.33	0.56B	0.83	0.56	0.63	0.596B
Sulfate (as SO4)	250	16	20.8	38.5J	18	18	32.5	39.3J	18	34.6	34.1	31.6B
Total Dissolved Solids	NA	290	1310	445	310	380	1150	458	300	1110	1270	443
Metals (ug/L)												
Arsenic	10	<4	<4.2	<5	5	<4	<4.2	<5	<4	<4.2	<4.2	<5
Barium	1000	200	407	201B	208	200	391	211B	209	370	373	203B
Calcium	NA	50000	155000	83900B	57000	57000	151000	88900B	55000	145000	146000	85100B
Chromium, Hexavalent	11	<20	n/a	9J	<20	<20	n/a	<30UJ	<20	n/a	n/a	<30UJ
Chromium, Total	40	<10	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5
Cobalt	24	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	200	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iron	NA	5180	779	296	4200	4100	1140	465	3980	804	861	299
Lead	15	5.3	<5	<5	<5	5.4	<5	<5	5.1	<5	<5	<5
Magnesium	NA	11000	32800	21100	12000	12000	30600	12200	12000	30500	30500	21500
Manganese	NA	210	275	87.8B	210	200	559	108B	210	302	321	86.2B
Mercury	0.146	0.93	<0.12	0.4	0.4	0.4	<0.12	0.6	0.50	<0.12	<0.12	<0.2
Nickel	200	<5	<5	<5	<5	<5	<5	1.1J	<5	<5	<5	<5
Potassium	NA	4400	4770	1830J	4900	4800	4250	2000J	4000	3670	3690	1870J
Sodium	NA	29000	270000	59200	34000	33000	259000	62600	34000 J	236000	236000	60600
Vanadium	12	13	<10	1.3J	19	19	<10	2.2J	19	<10	<10	1.4J
Zinc	2000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Petroleum Hydrocarbons (µg/l)												
Petroleum hydrocarbons above C-10	NA	55	n/a	n/a	<20	<20	n/a	n/a	<20	n/a	n/a	n/a
PHC as diesel fuel	NA	<98 UJ	<95	<0.48	<98	<98	<96	<0.47	<98	<96	<95	<0.48
TPHC10C28	NA	33 J	n/a	n/a	<20	<20	n/a	n/a	<20	n/a	n/a	n/a
TPHC28C35	NA	27 JB	n/a	n/a	<20	<20	n/a	n/a	<20	n/a	n/a	n/a
PHCJP8	NA	<98	n/a	n/a	<98	<98	n/a	n/a	<98	n/a	n/a	n/a
PHC as gasoline	NA	<100	<50	<0.025	<100	<100	<50	<0.025	<100	44 T	41 T	<0.025
Volatile Organic Compounds (µg/L)												
Benzene	5	<1	<0.35 D	<1UJ	<1	<1	<1	<1UJ	<1	2.2	1.8 TD	<1UJ
Carbon disulfide	15	<5	<10 D	1.4J	<5	<5	<5	<5UJ	<5	<5	<10 D	<5UJ
Methyl tert-butyl ether (tert-butyl methyl ether)	NA	<5	<10 D	<5UJ	<5	<5	2.8 T	<5UJ	<5	2.1 T	1.8 TD	<5UJ
Methylene chloride	4.7	<0.2	1.1 TD	<5UJ	<0.2	<0.2	<0.44	<5UJ	<0.2	<0.44	1.6 TD	<5UJ
Semi-Volatile Organic Compounds (µg/L)												
1-Methylnaphthalene	NA	n/a	<0.02	<0.143	n/a	n/a	0.04	<0.143	n/a	0.49	0.35	<0.143
2-Methylnaphthalene	330	<9.8	<0.1	<0.143	<9.8	<9.8	<0.1	<0.143	<9.8	0.2	0.2	<0.143
Naphthalene	620	<9.8	<0.02	<0.143	<9.8	<9.8	0.03	<0.143	<9.8	0.1	0.05	<0.143

(mg/L) milligrams per liter
(ug/L) micrograms per liter
B Analyte detected in the associated blank, as well as the sample.
Bold Bolded result indicates positively identified compound.
D Sample dilution required for analysis; reported values reflect the dilution.
Dup Duplicate
J The analyte was positively identified, the quantitation is an estimation.
n/a Not analyzed
NA Not applicable
Shaded result indicates result greater than or equal to the surface water standard.
T Analyte was positively identified but the reported concentration is estimated; reported concentration is less than the reporting limit, but greater than the method detection limit.
UJ Potential low bias, possible false negative.
WBWR West Branch Walnut River
* Surface water samples were collected adjacent to the Pester site to the east in 2005 and to the north in 2006 and 2009.
** Sample locations STF-5, STF-6, and STF-7 were referred to as TRANSECT-5, TRANSECT-6, and TRANSECT-7 in the Second Phase Environmental Investigation Report, El Dorado Refinery, El Dorado, Kansas (October 2005).
*** Sample collected from ponded water within former tank berm at the northwest corner of the South Tank Farm.
**** Same location as STF-6 (Transect -6)

Table 5

Summary of Analytical Data for Surface Water Samples
El Paso Merchant Energy-Petroleum Company
El Dorado Refinery, El Dorado, Kansas
(Page 2 of 2)

	Location Description	El Dorado Refinery South - WBWR			Upgradient North - WBWR		South Tank Farm		South Tank Farm Creek - 2005 Locations		
	Transect	Transect #4	Transect #4	Transect #4	Transect #5	Transect #5	***	****			
	Sample Identification	TRANSECT-4	T4	#4	T5	#5	SW-POND	SW-CREEK	STF-5**	STF-6**	STF-7**
	Laboratory Sample Identification	400-2938-2	A6D89805	RSB0168-05	A6D89806	RSB0168-01	RSB0835-01	RSB0835-02	400-2796-1	400-2796-2	400-2796-3
	Date Collected	6/7/2005	11/20/2006	2/5/2009	11/20/2006	2/5/2009	2/25/2009	2/25/2009	6/1/2005	6/1/2005	6/1/2005
Analyte (Units)	Kansas Surface Water Quality Standards/EPA Part 131.36 Surface Water Pathway										
General Chemistry (mg/L)											
Alkalinity, Bicarbonate (as $CaCO_3$)	NA	160	n/a	n/a	n/a	n/a	n/a	n/a	310	310	310
Alkalinity, Carbonate (as $CaCO_3$)	NA	0	n/a	n/a	n/a	n/a	n/a	n/a	1.1	1	0
Alkalinity, Hydroxide (as $CaCO_3$)	NA	0	n/a	n/a	n/a	n/a	n/a	n/a	0	0	0
Alkalinity, Total (as $CaCO_3$)	NA	160	342	294	311	303	330	352	310	310	310
Chloride (as Cl)	250	41	464D	95	774D	98	50D	450D	230	350	280
Cyanide	0.0052	<0.005	<0.005	<0.005	<0.005	<0.005	n/a	n/a	<0.005	<0.005	<0.005
Fluoride	1	0.35	0.33	0.2	0.27	0.2	n/a	n/a	0.34	0.34	0.31
Nitrate	10	0.91	0.39	0.596D	<0.05	0.475B	<0.05	<0.05	<0.1	<0.1	<0.1
Sulfate (as SO4)	250	16	34.5	31.9B	22.3	37.8DJ	102DB	30.4DB	24	23	21
Total Dissolved Solids	NA	290	1130	464	1120	461	643	1080	740	910	820
Metals (ug/L)											
Arsenic	10	<4	<4.2	4.2J	<4.2	<5	n/a	n/a	<4	<4	<4
Barium	1000	200	363	204B	367	222B	n/a	n/a	240	270	260
Calcium	NA	49000	144000	85400B	137000	85500B	n/a	n/a	110000	120000	120000
Chromium, Hexavalent	11	<20	n/a	<30UJ	n/a	21J	n/a	n/a	<20	<20	<20
Chromium, Total	40	<10	<5	<5	<5	2J	n/a	n/a	<10	<10	<10
Cobalt	24	<10	<10	<10	<10	1.3J	n/a	n/a	<10	<10	<10
Copper	200	<10	<10	<10	<10	1.7J	n/a	n/a	<10	<10	<10
Iron	NA	5200	628	347	393	1750	n/a	n/a	590	390	720
Lead	15	<5	<5	<5	<5	<5	n/a	n/a	<5	<5	<5
Magnesium	NA	11000	30200	21600	31300	21200	n/a	n/a	16000	17000	15000
Manganese	NA	310	199	86.8D	332	252B	n/a	n/a	260	220	230
Mercury	0.146	2.6	<0.12	0.3	<0.12	<0.2	n/a	n/a	<0.07	<0.07	<0.07
Nickel	200	<5	<5	<5	<5	2.4J	n/a	n/a	<5	<5	<5
Potassium	NA	4400	3360	1908J	5160	2420J	n/a	n/a	3200	2800	2500
Sodium	NA	29000	214000	60900	234000	60300	n/a	n/a	140000 D	200000 D	160000 D
Vanadium	12	15	<10	2J	<10	4.6J	n/a	n/a	<10	<10	<10
Zinc	2000	<20	<20	<20	<20	5.6J	n/a	n/a	<20	<20	<20
Petroleum Hydrocarbons (µg/l)											
Petroleum hydrocarbons above C-10	NA	34	n/a	n/a	n/a	n/a	n/a	n/a	95	91	160
PHC as diesel fuel	NA	<98 UJ	<95	<0.48	<97	<0.48	0.13J	<0.47	<95	<95	<95
TPHC10C28	NA	<20 UJ	n/a	n/a	n/a	n/a	n/a	n/a	40	27	60
TPHC28C35	NA	38 JD	n/a	n/a	n/a	n/a	n/a	n/a	57	69	81
PHCJP8	NA	<98	n/a	n/a	n/a	n/a	n/a	n/a	<95	<95	<95
PHC as gasoline	NA	<100	<50	<0.025	<50	<0.025	0.0057J	0.013J	<100	<100	<100
Volatile Organic Compounds (µg/L)											
Benzene	5	<1	<0.35 D	<1UJ	<0.35 D	<1UJ	<1	1.8	<1	<1	<1
Carbon disulfide	15	<5	<10 D	<5UJ	<10 D	<5UJ	<1	<1	<5	<5	<5
Methyl tert-butyl ether (tert-butyl methyl ether)	NA	<5	1.2 TD	<5UJ	<10 D	<5UJ	<1	1.7	<5	<5	<5
Methylene chloride	4.7	<0.2	1.6 TD	<5UJ	1.3 TD	<5UJ	<1	<1	<0.2	<0.2	<0.2
Semi-Volatile Organic Compounds (µg/L)											
1-Methylnaphthalene	NA	n/a	0.13	<0.0952	<0.02	<0.0943	n/a	n/a	n/a	n/a	n/a
2-Methylnaphthalene	330	<9.8	<0.1	<0.0952	<0.1	<0.0943	n/a	n/a	<9.7	<10	<9.8
Naphthalene	620	<9.8	<0.02	<0.0952	<0.02	<0.0943	n/a	n/a	<9.7	<10	<9.8

(mg/L) milligrams per liter
(ug/L) micrograms per liter
B Analyte detected in the associated blank, as well as the sample.
Bold Bolded result indicates positively identified compound.
D Sample dilution required for analysis; reported values reflect the dilution.
Dup Duplicate.
J The analyte was positively identified, the quantitation is an estimation.
n/a Not analyzed
NA Not applicable
Shaded Shaded result indicates result greater than or equal to the surface water standard.
T Analyte was positively identified but the reported concentration is estimated; reported concentration is less than the reporting limit, but greater than the method detection limit.
UJ Potential low bias, possible false negative.
WBWR West Branch Walnut River
* Surface water samples were collected adjacent to the Pester site to the east in 2005 and to the north in 2006 and 2009.
** Sample locations STF-5, STF-6, and STF-7 were referred to as TRANSECT-5, TRANSECT-6, and TRANSECT-7 in the Second Phase Environmental Investigation Report, El Dorado Refinery, El Dorado, Kansas (October 2005).
*** Sample collected from ponded water within former tank berm at the northwest corner of the South Tank Farm.
**** Same location as STF-6 (Transect -6)

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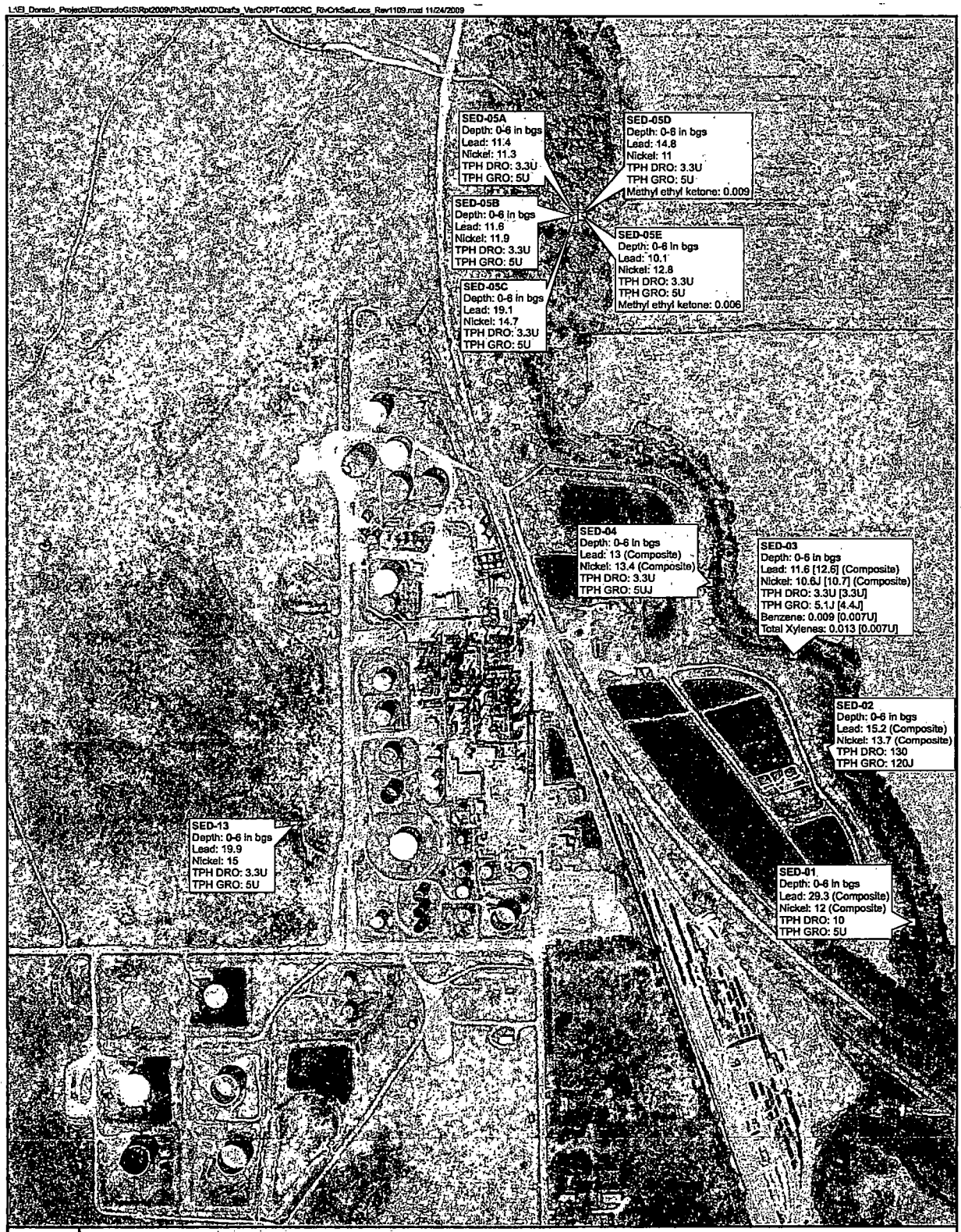

TITLE
RIVER AND CREEK SEDIMENT SAMPLE LOCATION DATA MAP NORTHERN AREA

FIGURE
7

LEGEND:

SEDIMENT SAMPLE

NOTES:
SEDIMENT SAMPLE LOCATIONS LABELED WITH NAME, SAMPLING DEPTH, ANALYTE, AND CONCENTRATION IN SEDIMENT (mg/kg).
EXCEEDANCES OF THE CORRESPONDING CONSENSUS-BASED THRESHOLD EFFECT CONCENTRATION (TEC) FOR LEAD (33.8 mg/kg), NICKEL (22.7 mg/kg), AND PYRENE (0.193 mg/kg), WERE OBSERVED IN RIVER AND CREEK SEDIMENT SAMPLES.
THERE ARE NO APPLICABLE TECs AVAILABLE FOR TPH DRO, TPH GRO, AND SEVERAL VOCs AND SVOCs. THEREFORE, RESULTS FOR LEAD, NICKEL, TPH DRO, AND TPH GRO ARE SHOWN FOR ALL SEDIMENT SAMPLES, AND DETECTIONS OF ADDITIONAL VOCs AND SVOCs ARE SHOWN AS APPLICABLE.
RESULTS EXCEEDING SCREENING LEVEL ARE SHOWN IN BOLDFACE TYPE.
DUPLICATE RESULTS SHOWN IN BRACKETS [ ] FOR APPLICABLE ANALYTE(S) AND RESULT(S).
in bgs = INCHES BELOW GROUND SURFACE
1U = NOT DETECTED AT REPORTING LIMIT SHOWN. J = DATA ARE ESTIMATED DUE TO ASSOCIATED QUALITY CONTROL DATA.

N
W E
S

SCALE
0 400 800
SCALE IN FEET

DRAWING REFERENCE(s):
AERIAL PHOTOGRAPH PRODUCED BY TERRASERVER-USA FROM OCTOBER 2, 1991 AERIAL SURVEY. STATE PLANE KANSAS SOUTH COORDINATES, NAD 83, US FEET.

DESIGNED BY	R. Hultgren	07/09
DRAWN BY	R. Hultgren	11/09
CHECKED BY	R. Hultgren	11/09
APPROVED BY	W. Pickens	11/09
PROJECT MANAGER	D. Mick	11/09
PROJECT NO.	1914331.80010428	
FILE NAME	RPT-002CRC_RivCrkSedLocs_Rev1109.mxd	

elpaso

PROJECT LOCATION: EL DORADO, KANSAS
PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO.
TITLE: RIVER AND CREEK SEDIMENT SAMPLE LOCATION DATA MAP NORTHERN AREA

MWH

FIGURE: 7

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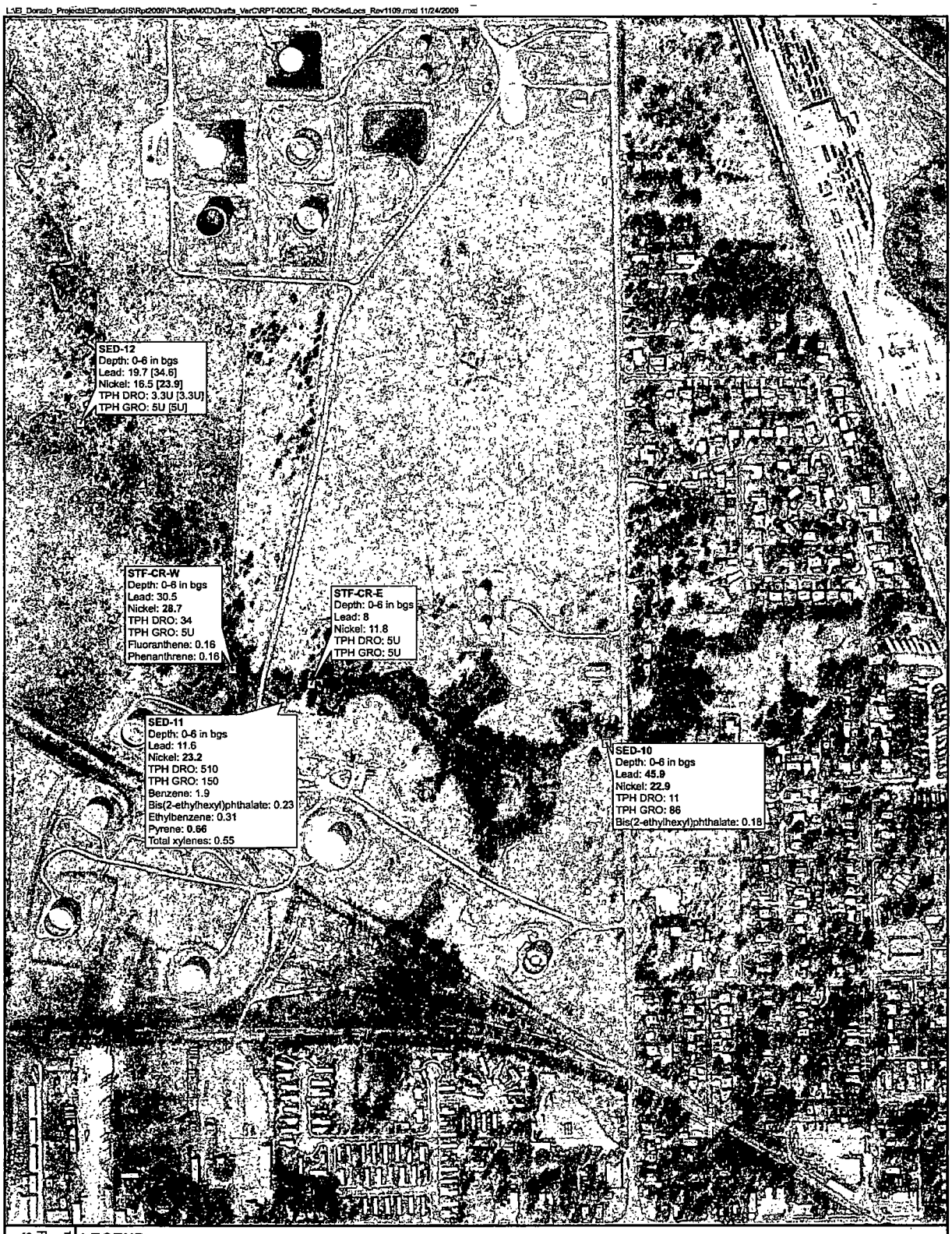


TITLE: RIVER AND CREEK SEDIMENT SAMPLE LOCATION DATA MAP SOUTHERN AREA

FIGURE: 8

LEGEND:

SEDIMENT SAMPLE

NOTES:
SEDIMENT SAMPLE LOCATIONS LABELED WITH NAME, SAMPLING DEPTH, ANALYTE, AND CONCENTRATION IN SEDIMENT (mg/kg).
EXCEEDANCES OF THE CORRESPONDING CONSENSUS-BASED THRESHOLD EFFECT CONCENTRATION (TEC) FOR LEAD (35.8 mg/kg), NICKEL (22.7 mg/kg), AND PYRENE (0.185 mg/kg), WERE OBSERVED IN RIVER AND CREEK SEDIMENT SAMPLES.
THERE ARE NO APPLICABLE TECs AVAILABLE FOR TPH DRO, TPH GRO, AND SEVERAL VOCs AND SVOCs. THEREFORE, RESULTS FOR LEAD, NICKEL, TPH DRO, AND TPH GRO ARE SHOWN FOR ALL SEDIMENT SAMPLES, AND DETECTIONS OF ADDITIONAL VOCs AND SVOCs ARE SHOWN AS APPLICABLE.
RESULTS EXCEEDING SCREENING LEVEL ARE SHOWN IN BOLDFACE TYPE.
DUPLICATE RESULTS SHOWN IN BRACKETS [ ] FOR APPLICABLE ANALYTE(S) AND RESULT(S).
In bgs = INCHES BELOW GROUND SURFACE
1U = NOT DETECTED AT REPORTING LIMIT SHOWN. J = DATA ARE ESTIMATED DUE TO ASSOCIATED QUALITY CONTROL DATA.

N
W E
S

SCALE
0 400 800
SCALE IN FEET

DRAWING REFERENCE(S):
AERIAL PHOTOGRAPH PRODUCED BY TERRASERVER-USA FROM OCTOBER 2, 1991 AERIAL SURVEY. STATE PLANE KANSAS SOUTH COORDINATES, NAD 83, US FEET.

DESIGNED BY	R. Hutgren	07/09
DRAWN BY	R. Hutgren	11/09
CHECKED BY	R. Hutgren	11/09
APPROVED BY	W. Pickens	11/09
PROJECT MANAGER	D. Mick	11/09
PROJECT NO.	1914351.80010408	
FILE NAME	RPT-002CRC_RivCrkSedLocs_Rev1109.mxd	

elpaso

PROJECT LOCATION: EL DORADO, KANSAS
PROJECT: EL PASO MERCHANT ENERGY - PETROLEUM CO.
TITLE: RIVER AND CREEK SEDIMENT SAMPLE LOCATION DATA MAP SOUTHERN AREA

MWH

FIGURE: 8

KANSAS

Mark Parkinson, Governor
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH
AND ENVIRONMENT

www.kdheks.gov

Division of Environment

RECEIVED
MAY 07 2010
BY: UB WCH-1

May 6, 2010

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Main Process Area (MPA) Grading, Sewer, and Basin Design Report
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE–BER) acknowledges receipt of the above mentioned document. KDHE-BER has completed its review of the *Main Process Area Grading, Sewer, and Basin Design Report* (MPA Design) dated April 2010 and approves the document with the following comments.

General Comments

1. While we approve the plugging and abandonment (P&A) of the monitoring wells provided on Table 1 of the MPA Design, KDHE-BER would like to note, the reinstallation of some of these P&A wells may be warranted as significant changes in Site conditions occur and/or as necessary for performance monitoring of future corrective action activities to be implemented at the Site.

2. To facilitate the grading of the MPA, KDHE-BER agrees with the proposal to consolidate all the lead contaminated soil to a single area within the MPA. However, we consider this action to be a temporary measure with the final disposition of the lead impacted soil to be determined as part of future corrective action activities. In addition, please be advised that any interim actions taken shall not preclude any future remedial alternatives for the Site.

3. As discussed during the May 3, 2010 teleconference, KDHE requests that, minimally, six inches to one foot of water be drained from the West Oxidation Pond prior to the placement of sediment from the Marley and Spray Ponds.

Specific Comments

1. Section 4.0: The text of Section 4.0 indicates the MPA Basin will be constructed in two phases with the southern portion of the basin serving as the stormwater capture area during construction of the northern portion. However, it is unclear as to how the two portions will be

combined to create a single MPA Basin when the southern portion may be holding water during construction of the northern portion nor is it clear on how the HDPE Flexible Membrane Liner (FML) will be installed as a single liner across the entire basin. KDHE-BER requests additional information be provided detailing how the MPA Basin will become a single unit upon completing phase two of the construction activities.

2. Sheet 14: The MPA Basin downchute details provided on Sheet 14 in Appendix A includes a detail of the HDPE embedment strip; however, the location of the embedment strip is not clearly identified on any of the details. Please revise Sheet 14 indicating the specific location of the HDPE embedment strip and provide an updated copy to KDHE-BER.

KDHE-BER requests a written response to the above comments along with any requested revisions be submitted by June 7, 2010. Should you have any questions regarding this letter, please contact me by phone at 785-296-5555 or email at mweiser@kdheks.gov.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Eric Staab, KDHE-BOW
Doug Mick, MWH
Bill Pickens, MWH

elpaso

May 28, 2010

Margaret Weiser
Environmental Scientist / Project Manager
Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section/Site Remediation Unit
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

RE: Response to KDHE Comment Letter of May 6, 2010 – Main Process Area (MPA) Grading, Sewer, and Basin Design Report
Former Coastal Refinery Site, El Dorado, Kansas

Dear Ms. Weiser:

This letter presents the El Paso Merchant Energy - Petroleum Company (EPME-PC) response to the Kansas Department of Health and Environment–Bureau of Environmental Remediation's (KDHE-BER) letter dated May 6, 2010 regarding the Main Process Area (MPA) Grading, Sewer, and Basin Design Report for the former Coastal Refinery site in El Dorado, Kansas (Site).

General and Specific KDHE-BER comments from the May 6, 2010 letter are reprinted below followed by EPME-PC's responses.

KDHE COMMENTS

General Comments

KDHE General Comment 1): *While we approve the plugging and abandonment (P&A) of the monitoring wells provided on Table 1 of the MPA Design, KDHE-BER would like to note, the reinstallation of some of these P&A wells may be warranted as significant changes in Site conditions occur and/or as necessary for performance monitoring of future corrective action activities to be implemented at the Site.*

Response: EPME-PC acknowledges KDHE's comments regarding the possible reinstallation of some of the P&A wells if warranted due to significant changes in Site conditions and/or as necessary for performance monitoring of future corrective action activities. EPME-PC will continue to work with the KDHE to assess appropriate monitoring needs at the Site as conditions evolve.

KDHE General Comment 2): *To facilitate the grading of the MPA, KDHE-BER agrees with the proposal to consolidate all the lead contaminated soil to a single area within the MPA. However, we consider this action to be a temporary measure with the final disposition of the lead impacted*

soil to be determined as part of future corrective action activities. In addition, please be advised that any interim actions taken shall not preclude any future remedial alternatives for the Site.

Response: EPME-PC acknowledges KDHE's comments regarding the consolidation of lead contaminated soil into a single area in the MPA. EPME-PC further acknowledges the interim action nature of the placement of lead impacted soil in the MPA at this time and that interim actions taken shall not preclude any future remedial alternatives for the Site.

KDHE General Comment 3): *As discussed during the May 3, 2010 teleconference, KDHE requests that, minimally, six inches to one foot of water be drained from the West Oxidation Pond prior to the placement of sediment from the Marley and Spray Ponds.*

Response: EPME-PC will drain the requested amount of water from the West Oxidation Pond prior to placement of sediment from the Marley and Spray Ponds into the West Oxidation Pond. It should also be noted that prior to the transfer and placement of sediment into the West Oxidation Pond, all influent water flowing into the West Oxidation Pond (other than direct rainfall) will be diverted to other ponds. Additionally, all water drained will be treated and discharged per the NPDES permit (transferred and processed through the treatment ponds).

Specific Comments

KDHE Specific Comment 1): *Section 4.0: The text of Section 4.0 indicates the MPA Basin will be constructed in two phases with the southern portion of the basin serving as the stormwater capture area during construction of the northern portion. However, it is unclear as to how the two portions will be combined to create a single MPA Basin when the southern portion may be holding water during construction of the northern portion nor is it clear on how the HDPE Flexible Membrane Liner (FML) will be installed as a single liner across the entire basin. KDHE-BER requests additional information be provided detailing how the MPA Basin will become a single unit upon completing phase two of the construction activities.*

Response: Specific construction means, methods and sequencing for construction of the MPA Basin will be the responsibility of the construction contractor. During construction of the MPA Basin it is anticipated that active management of stormwater and groundwater will be required and that the Spray and Marley ponds, and constructed portions of the MPA Basin will be maintained in a dry or near dry condition (i.e. at minimal water level achievable by traditional pumping techniques). Once the south end of the Basin is constructed, the contractor may continue excavation to the north, continuing liner installation as excavation progresses, or they may choose to excavate and construct the northern portions separately leaving a plug between the north and south portions. Once the plug is excavated and groundwater collection trench is completed, panels would be installed to connect the two halves of the liner.

As an alternative to this approach, the contractor may choose to berm the area around the MPA Basin and direct surface water flows to the process sewer line at PS-CB-2 and allowing the surface water runoff to flow to the API-OWS. This would allow the MPA Basin to be constructed in a single phase, but would require delayed closure of the process sewer line from

PS-CB-2 to PS-CB-1 and would likely require pumping of water from the area between PS-CB-2 and the north end of the MPA Basin. Stormwater during this period would continue to be treated in the existing treatment ponds. (Note: The locations of PS-CB-2 and PS-SB-1 are shown in Drawing Sheet 4 of the design report).

KDHE Specific Comment 2): *Sheet 14: The MPA Basin downchute details provided on Sheet 14 in Appendix A includes a detail of the HDPE embedment strip; however, the location of the embedment strip is not clearly identified on any of the details. Please revise Sheet 14 indicating the specific location of the HDPE embedment strip and provide an updated copy to KDHE-BER.*

Response: Drawing Sheet 14 has been revised to more clearly illustrate the location of the embedment strip. In addition, Drawing Sheets 12 and 19 have also been revised to provide more detail on the Basin based on a bid-walk that was conducted with contractors on May 5, 2010. The revised drawings are attached to this letter.

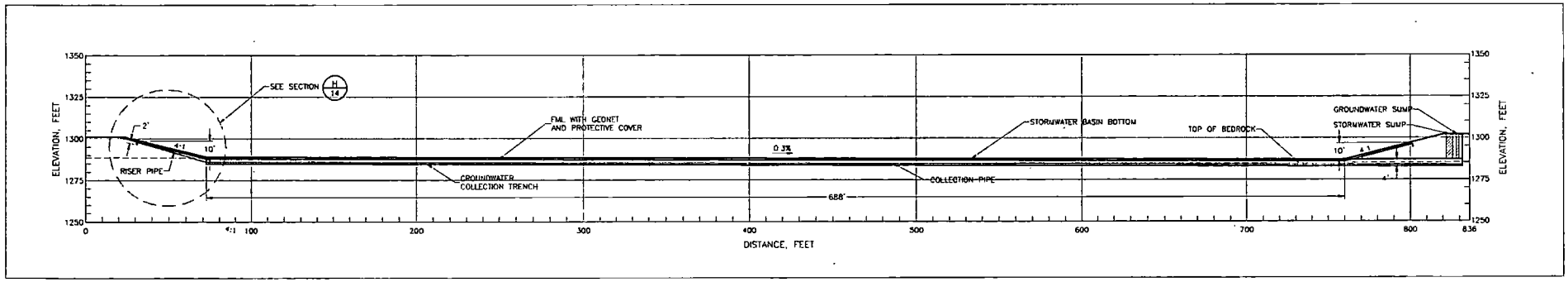
EPME-PC appreciates your consideration in this matter. If you have any questions or comments about EPME-PC's responses, please do not hesitate to call me at (719) 520-4615.

Sincerely,

Brian Kellmann, P.G., CHMM
Project Manager
Environmental Remediation
El Paso Corporation

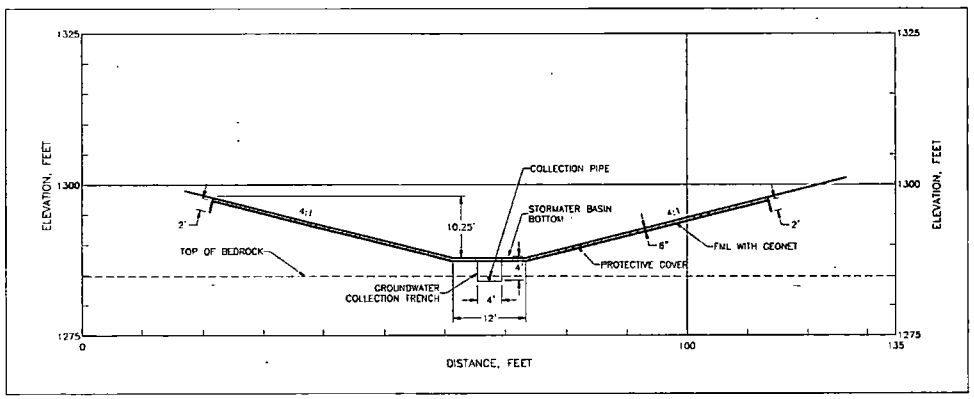
Enclosures – MPA Grading, Sewer, and Basin Design Report Drawing Sheet 12 (Rev-1), Sheet 14 (Rev-1), and Sheet 19 (Rev-1)

cc: E. Jean Underwood, KDHE-BER
Eric Staab, KDHE-BOW
Doug Mick (MWH)
Bill Pickens (MWH)
Jed Thompson (MWH)



SECTION A/7
MPA BASIN

VERTICAL SCALE 30' 0 30' — HORIZONTAL SCALE 30' 0 30'
VERTICAL EXAGGERATION = 1X



SECTION B/7
MPA BASIN

VERTICAL SCALE 10' 0 10' — HORIZONTAL SCALE 10' 0 10'
VERTICAL EXAGGERATION = 1X

DISCLAIMER
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES, AND KNOW-HOW OF MWH AS AUTHOR. ALL PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING ITS PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE WITHOUT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

DRAWING REFERENCES:
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2. TOPOGRAPHIC DATA GENERATED FROM BTM DATA PROVIDED BY AERO-METRIC INC. DATED JUNE 15, 2005. ORIGINAL FILE LOCATED: \\\USSBS1501\DESIGN-DRAFTING\CLIENTS_A-H\EL PASO\ELDORADO CNX DESIGN\01-INFORMATION FROM ENGINEERS\ELDORADO-ALL-STALDING

PROJECTION	
STATE PLANE COORDINATES	
ZONE	
KANSAS SOUTH	
HORIZONTAL DATUM	
NAD83	
VERTICAL DATUM	
NAVD 88	
UNITS	
U.S. FEET	

DESIGNED BY	J. THOMPSON	05/11/10
DRAWN BY	C. TOWLER	05/11/10
CHECKED BY	E. MARKS	05/11/10
APPROVED BY	J. THOMPSON	05/11/10
PROJECT MANAGER	D. WICK	05/11/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		

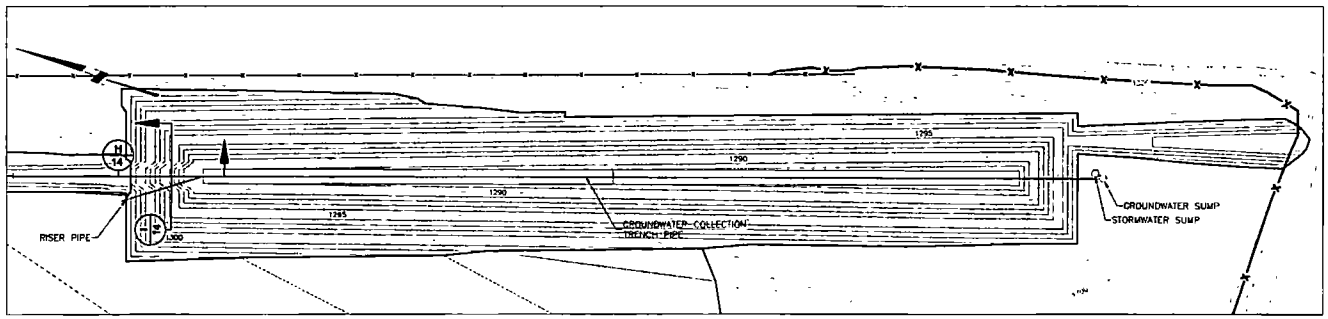
elpaso

PROJECT LOCATION: EL DORADO, KANSAS
PROJECT: EL PASO MERCHANT ENERGY-PETROLEUM CO.
TITLE: MPA BASIN CROSS SECTIONS

MWH

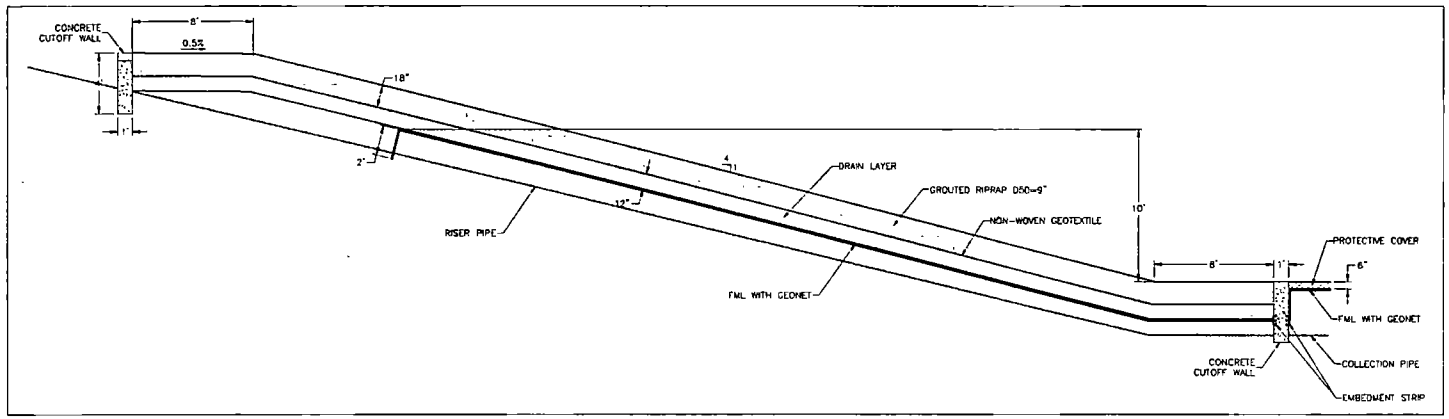
SHEET 12 of 26 — REVISION 1
FILE NAME 1006122D008

K:\Design-Drafting\Clients_A-H\El Paso\ElDorado Cell Design\013-Sheet Set\MPA Grading Design\1006122D008



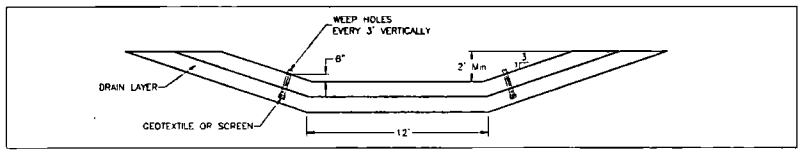
PLAN
BASIN DOWNCHUTE

SCALE 50' 0 50' 100'



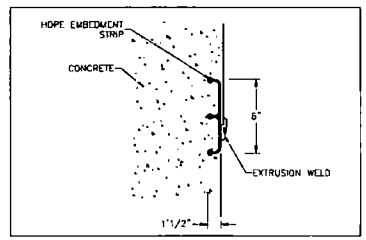
SECTION
H 14 BASIN DOWNCHUTE

SCALE 4 0 4 8



SECTION
I 14 BASIN DOWNCHUTE

SCALE 4 0 4 8'



DETAIL
HDPE EMBEDMENT STRIP
NOT TO SCALE

DISCLAIMER:
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES, AND KNOWHOW OF MWH AS AUTHOR. ALL PURSUANT TO THE SCOPE OF A CONTRACTUAL SCOPE OF WORK GOVERNING ITS PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE WITHOUT THE ENGAGEMENT AND CONSENT OF THE AUTHOR. ANY ALTERATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

DRAWING REFERENCE(S):
1. TOPOGRAPHIC DATA PROVIDED BY CARLSON-BAUGHMAN SURVEYING, DATED JANUARY 3, 2010. ORIGINAL FILE LOCATED: \\\\XSSB1901\CAD_ENGINEERING_SUPPORT\DESIGN-DRAFTING\CLIENTS_A-H\EL PASO\ELDORADO CIVIL DESIGN\009-DRAWINGS FROM SUBCONTRACTORS\EL DORADO COASTAL REFINERY TOPO-01-CD-10.DWG
2. TOPOGRAPHIC DATA GENERATED FROM DTM DATA PROVIDED BY AERO-METRIC INC., DATED JUNE 15, 2008. ORIGINAL FILE LOCATED: \\\\XRB51901\DESIGN-DRAFTING\CLIENTS_A-H\EL PASO\1004023 ELDORADO CIVIL DESIGN\01-INFORMATION FROM ENGINEERS\ELDORADO-ALL-DTM.DWG

PROJECTION:
STATE PLANE COORDINATES
ZONE:
KANSAS SOUTH
HORIZONTAL DATUM:
NAD83
VERTICAL DATUM:
NAVD 88
UNITS:
U.S. FEET

DESIGNED BY	J. THOMPSON	05/11/10
DRAWN BY	C. FENWLER	05/11/10
CHECKED BY	E. MARKS	05/11/10
APPROVED BY	J. THOMPSON	05/11/10
PROJECT MANAGER	D. WICK	05/11/10
CLIENT APPROVAL		
CLIENT REFERENCE NO		

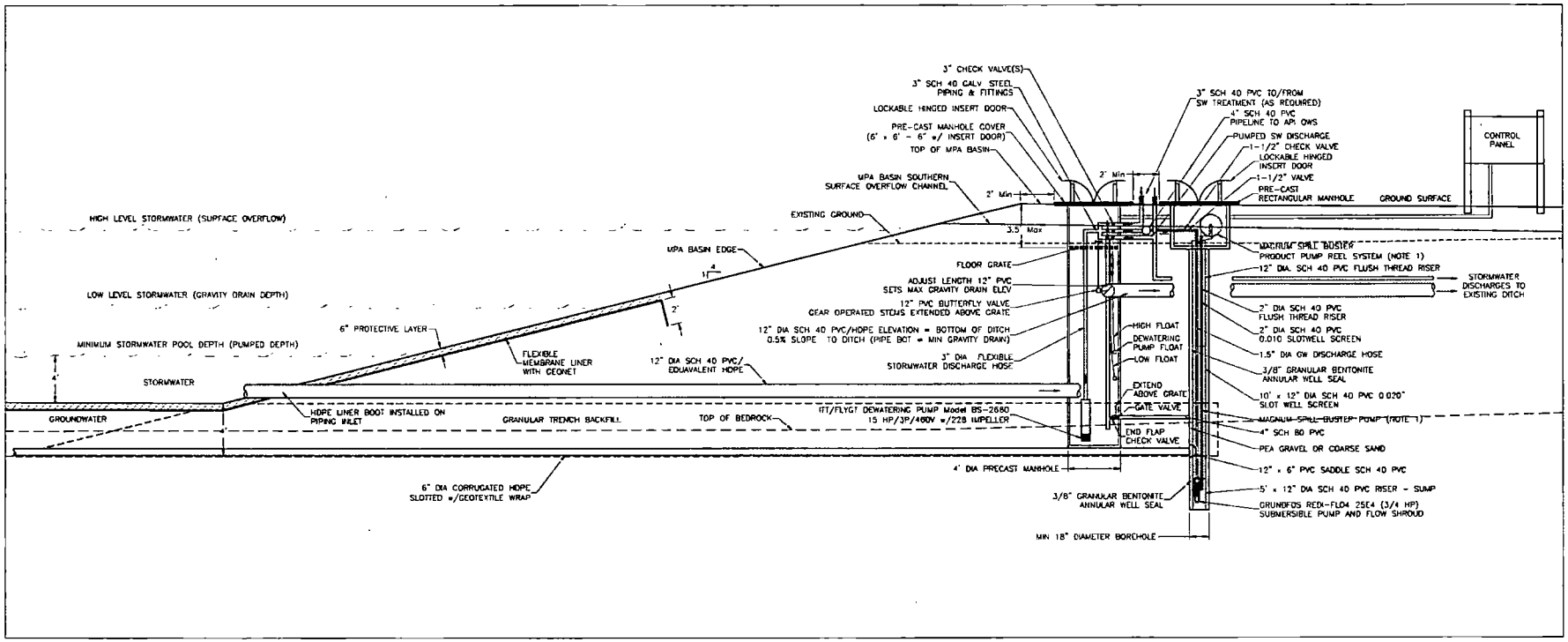
elpaso

PROJECT LOCATION: EL DORADO, KANSAS
PROJECT: EL PASO MERCHANT ENERGY-PETROLEUM CO.
TITLE: MPA BASIN DOWNCHUTE DETAILS

MWH

SHEET 14 of 26
REVISION 1
FILE NAME 1008122D010

K:\Design-Drafting\Clients_A-H\EL Paso\ELDorado Coll Basin\09-3-Sheet Set\MPA Grading Details\1008122D010



DETAIL

MPA BASIN GROUNDWATER AND SURFACE WATER RECOVERY SUMP

SCALE 4' 0 4 8

LEGEND:

- STORMWATER PIPING
- GROUNDWATER PIPING
- ELECTRICAL CONDUIT
- STORMWATER FLOW
- GROUNDWATER FLOW

NOTE:

1. MAGNUM SPILL BUSTER PUMP AND REEL WILL NOT BE INSTALLED AT THIS TIME.
2. ALL ELECTRICAL WIRING WITHIN THE GROUNDWATER SUMP WILL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE FOR INSTALLATION IN CLASS 1, DIVISION 1 ENVIRONMENT.
3. THE CONTROL PANEL WILL BE LOCATED A MINIMUM OF 20' FROM THE GROUNDWATER SUMP. SEAL-OFFS WILL BE PROVIDED TO ALL GROUNDWATER SUMP CONDUITS

DISCLAIMER:
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROFESSIONAL METHODOLOGY. IT IS INTENDED TO SHOW PROGRESS WORK, AND IS PRELIMINARY TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING ITS PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED EITHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE WITHOUT THE INDEPENDENT AND CONSENT OF THE AUTHOR. ANY ALTERATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

DRAWING REFERENCE(S):
1. TOPOGRAPHIC DATA PROVIDED BY CARLSON-BAUGHMAN SURVEYING, DATED JANUARY 5, 2010. ORIGINAL FILE LOCATED \\USS001001\CAD_ENGINEERING_SUPPORT\DESIGN-DRAFTING\CLIENTS_A-H\EL PASO\ELDORADO CIVIL DESIGN\008-DRAWINGS FROM SUBCONTRACTORS\EL DORADO COASTAL RETHELPFI FOPG-01-05-10.DWG
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PROJECTION:
STATE PLANE COORDINATES
ZONE:
KANSAS SOUTH
HORIZONTAL DATUM:
NAD83
VERTICAL DATUM:
NAVD 88
UNITS:
U.S. FEET

DESIGNED BY	S KLAUS	05/11/10
DRAWN BY	C FOWLER	05/11/10
CHECKED BY	S KLAUS	05/11/10
APPROVED BY	J THOMPSON	05/11/10
PROJECT MANAGER	D. MICK	05/11/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		

elpaso

PROJECT LOCATION: EL DORADO, KANSAS

PROJECT: EL PASO MERCHANT ENERGY-PETROLEUM CO.

MWH

TITLE: MPA BASIN GROUNDWATER AND SURFACE WATER RECOVERY SUMP DETAILS

SHEET: 19 of 26

REVISION: 1

FILE NAME: 1008122D014

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KANSAS
DEPARTMENT OF HEALTH
AND ENVIRONMENT
Division of Environment

RECEIVED
OCT 13 2010
BY: UD UCH-1

Mark Parkinson, Governor
Roderick L. Bremby, Secretary

www.kdheks.gov

October 11, 2010

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Asphalt Handling Area Stabilization Treatability Study Report
Wastewater/Stormwater Pond Sediment Stabilization Treatability Study Report
Coastal El Dorado Refinery Site; El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE–BER) acknowledges receipt of the above mentioned reports. KDHE-BER has completed its review of the *Asphalt Handling Area Stabilization Treatability Study Report* dated September 3, 2010, and the *Wastewater/Stormwater Pond Sediment Stabilization Treatability Study Report* dated September 21, 2010 and approves both documents without comment. However, although the outcome of the treatability tests and proposed paths forward remain the same, it is worthy to note that the KDHE Tier 2 Levels have recently been updated. The new version of the *Risk-Based Standards for Kansas RSK Manual* (RSK Manual) replaces all previous editions and will be used for future decisions related to the characterization or remediation of contaminated properties/sites. KDHE-BER recommends reviewing the revised RSK Manual, available on our website at http://www.kdheks.gov/ber/index, and updating all future submittals as appropriate.

Should you have any questions or concerns regarding this letter, please contact me by phone at 785-296-5555 or email at mweiser@kdheks.gov.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Bill Pickens, MWH

KANSAS

DEPARTMENT OF HEALTH
AND ENVIRONMENT
Division of Environment

Mark Parkinson, Governor
Roderick L. Bremby, Secretary

www.kdheks.gov

October 11, 2010

Mr. Brian Kellmann, P.G., CHMM
Project Mgr.
Environmental Remediation Dept.
El Paso Corporation
2 N. Nevada Ave.
Colorado Springs, CO 80903

Re: Authorization to Landfarm Petroleum Contaminated Soil
El Paso Merchant Energy-Petroleum Co., El Dorado Facility
1835 N. Topeka St., El Dorado, Butler Co.
KDHE: BWM # 632; BER 03-E-0021

Dear Mr. Kellmann:

The application to landfarm 22,500 cubic yards of petroleum contaminates soil without a permit was received on July 29, 2010. Also received was the report 'Landfarm Operating & Closure Plan for Interim Activities' prepared by MWH Americas, Inc. The report included Table 2.2 Summary of Treatment Objectives. KDHE-BER recently made changes to the Tier 2 Risk-Based Summary Table as reflected in The Kansas RSK Manual – 5th Version. As a result of our telephone conversation concerning these changes, Doug Mick, MWH, submitted Table 2.2 Revision 1 Summary of Treatment Objectives– October 7, 2010.

The submitted Landfarm Operating Plan and Closure Plan are approved. This letter will serve as the authorization for this remediation project. Please note that as indicated in 3.3 Site Closure, KDHE-BWM will determine if the landfarm has met remediation goals. However, final placement of the soil must be approved by KDHE-BER which may use the RSK Tier 2 standards that exist then.

You may contact me at 785-296-1667 if you have questions or comments.

Sincerely,

Joseph E. Cronin, P.E.
Chief, SW Processing & Planning Unit
Solid Waste Permits Section

JEC:jp
C Doug Mick, MWH Americas, Inc.
Margaret Weiser, KDHE, BER
D. Travis, KDHE, BEFS-SCDO

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Kansas

RECEIVED
JAN 28 2011
BY: LD WCH-1

Phone: 785.296.1673
Fax: 785.296.7030
mweiser@kdheks.gov
www.kdheks.gov

Robert Moser, MD, Acting Secretary
Department of Health & Environment
Sam Brownback, Governor

January 27, 2011

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Wastewater/Stormwater Pond Interim Measures Closure Work Plan/Design
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt of the above mentioned work plan/design document. In order to address some of our concerns and to ask for clarification regarding certain aspects of the *Preliminary (30%) Wastewater/Stormwater Pond Interim Measures Closure Work Plan/Design* (30% IM design) dated December 2010, a teleconference was held on January 25, 2011 with representatives from KDHE-BER, El Paso Corporation (El Paso), and MWH. During the aforementioned teleconference, several items were discussed, including design clarification that will be incorporated in the final (90%) IM Work Plan/Design (90% IM design). Please find below a summary of the items discussed.

1) KDHE-BER inquired about the specific remedial performance objectives for the final solidified/stabilized West Oxidation Pond and if the layering of multiple materials (i.e., stabilized pond sediment, over-excavated soil, stabilized asphalt handling area (AHA) pit material, and AHA piles) would have an impact on its overall performance. MWH responded by explaining that while specific infiltration rates were not documented in the 30% IM design, the performance criteria established during the treatability study will be met. MWH further explained that once the monolith is set, it is set and any potential re-wetting and/or settling due to the added layers would not be a concern. Additionally, based on the results of the treatability study testing, the compression strength of the monolith will be an order of magnitude higher than the compression of the added material.

2) KDHE-BER expressed concern regarding the stability of the AHA Pit material after it has been stabilized in place and then excavated and transported to the West Oxidation Pond. MWH explained that the AHA pit material will be excavated within seven days of mixing so that the material will still have time to substantially cure once placed in the West Oxidation Pond. In addition, the Synthetic Precipitation Leaching Procedure (SPLP) results conducted during the treatability study were either non-detect or well below the established performance criteria.

3) Although confirmation sampling in the AHA was not proposed as part of the 30% IM design, it was discussed during the January 25, 2011 teleconference that the AHA piles will be excavated until visual observation confirms that the thin veneer of soil overlying the bedrock has been encountered and all asphaltic

like material has been removed. It was further discussed that following excavation activities, the AHA would be returned to its historical grade.

4) As mentioned during the teleconference, pond sediment stabilization activities will include slight overlap into the underlying soils in the West Oxidation Pond. This will provide a safety factor to ensure all pond sediment becomes stabilized.

5) The 30% IM design states that approximately 0.4 feet of soil below the pond sediment will be excavated from the ponds. However, as presented on Figure 4, some of the soil contamination extends beyond 0.4 feet and KDHE-BER inquired if these soil impacts would be addressed. MWH explained that the groundwater/flux zone would be encountered if too much soil was removed and that the thin layer of clay separating the pond bottoms from the bedrock would be disturbed. Additionally, the impacted soil underlying the ponds appears to be the result of contaminated groundwater and residual product migration from upgradient sources rather than vertical migration of hydrocarbons from the pond sediment.

6) Due to recent modifications to the wetland elevations, KDHE-BER questioned whether or not enough fill material would be available for the soil cover on the West Oxidation Pond. MWH indicated that by lowering the wetland elevations the amount of fill material needed for wetland construction will be reduced resulting in an increase of borrow material available for the West Oxidation Pond.

7) During the teleconference, MWH provided clarification regarding the sequence of surveying the West Oxidation Pond before, during, and after construction. In particular, once all the sediment has been transported to the West Oxidation Pond a survey will be used to determine the depth and volume of sediment to be stabilized. Upon completion of stabilization activities, additional surveys will be conducted to determine the elevation of the stabilized sediment, AHA material, clay liner, and vegetative cover and ensure elevations and slopes conform to design specifications.

8) MWH provided a brief summary of the quality control testing which includes, but is not limited to, performing a field-scale test on 500 cubic yards of sediment prior to proceeding with full-scale implementation. Quality control testing will continue in the field throughout the stabilization process as described in Table 17 of the 30% IM design.

9) In order to stay current with on-going and scheduled site activities, KDHE-BER requested monthly email updates be provided. El Paso indicated a timeline with project milestones dates would also be provided.

10) KDHE-BER is also receipt of a *Work Plan for On-Site Management of Asphalt-Impacted Soil Material* dated January 5, 2011. As discussed during the January 25, 2011 teleconference, KDHE-BER approves the tasks outlined in this document with the following comment:

- The asphalt-soil material encountered during MPA grading be consolidated and thoroughly mixed with the AHA pit material to provide a homogenous mixture prior to stabilization.

Based on our review of the 30% IM design document, with clarification obtained during the January 25, 2011 teleconference, KDHE-BER agrees to move forward with the Final 90% Wastewater/Stormwater Pond Interim Measures Closure Work Plan/Design to facilitate the pond closure schedule.

Should you have any questions regarding this letter, please feel free to contact me.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: Jean Underwood, BER → Coastal Refinery, El Dorado Site File (C2-008-70243-1)
Doug Mick, MWH (Wichita)
Jeffrey D. TeGrotenhuis, MWH (Iowa)
Eric Staab, KDHE-BOW (e-copy)

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Kansas

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Robert Moser, MD, Secretary | Department of Health & Environment | Sam Brownback, Governor

May 25, 2011

RECEIVED
MAY 26 2011
BY: LD WCH-1

Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan/Design
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment (KDHE) – Bureau of Environmental Remediation (BER) acknowledge receipt of the above mentioned document. KDHE has completed its review of the *Final (100%) Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure WorkPlan/Design* (100% design) dated May 2011, and approves the document without further comment. Should you have any questions regarding this letter or the project in general, please do not hesitate to contact me.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Eric Staab, BOW
Doug Mick, MWH
Chad Tomlinson, MWH

FINAL (100%)
WATER TREATMENT DESIGN

El Paso Merchant Energy-Petroleum Company
El Dorado Refinery
El Dorado, Kansas

April 2011

JEFFREY D. TEGROTENHUIS
LICENSED
16632
4/25/11
KANSAS
PROFESSIONAL ENGINEER

STATE OF KANSAS
APPROVED
DIVISION OF ENVIRONMENT
JUN 30 2011
ENGR
TOPEKA, KANSAS

MWH

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Kansas

RECEIVED
JUL 01 2011
BY: CHP

Phone: 785.296.5555
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Robert Moser, MD, Secretary | Department of Health & Environment | Sam Brownback, Governor

June 30, 2011

Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Final (100%) Water Treatment Design
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment (KDHE) – Bureau of Environmental Remediation (BER) and Bureau of Water (BOW) acknowledge receipt of the above mentioned document. KDHE has completed its review of the *Final (100%) Water Treatment Design* (100% design) dated April 2011, and approves the document with the following comment.

1. The data provided on Table 2-1 of the 100 % design indicates that influent vinyl chloride concentrations have been observed at a maximum concentration of 240 micrograms per liter (µg/L) which exceeds the maximum concentration of vinyl chloride for the toxicity characteristic of 200 µg/L as per 40 CFR 264.24. KDHE recognizes that the elevated concentrations of vinyl chloride were observed prior to entering the treatment process and that these concentrations will likely be reduced during the pre-treatment stages (i.e., cascade aerator, settling basin). However, it is worthy to note that it is contrary to Kansas statute to discharge/dispose any hazardous waste to the ground in Kansas, and therefore, anything discharged into the constructed wetlands must be non-hazardous. KDHE requests additional data be provided (e.g., post oil/water separator sample, etc.) to demonstrate that the actual influent concentrations into the constructed wetlands will not exhibit toxicity characteristics for any contaminant. Please be advised, should contaminant concentrations increase to levels exceeding toxicity characteristics additional pre-treatment activities would be required. KDHE requests a written response to this comment and a timeframe for data collection be submitted on or before July 21, 2011.

Given approval of the 100% design, construction of the water treatment system may proceed as scheduled. Should you have any questions regarding this letter or the project in general, please do not hesitate to contact us.

Sincerely,

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

Eric C. Staab, P.E.
Professional Environmental Engineer
Industrial Programs Section
Bureau of Water

cc: E. Jean Underwood, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Eric Staab, BOW
Doug Mick, MWH
Jeffrey D. TeGrotenhuis, MWH

Site: El Dorado
Category: Regulator / Agency Correspondence

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Robert Moser, MD, Secretary

Kansas
Department of Health & Environment

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mweiser@kdheks.gov
www.kdheks.gov

Sam Brownback, Governor

RECEIVED
JUL 08 2011

July 6, 2011

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Final Baseline Ecological Risk Assessment
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt of the above mentioned document. KDHE-BER has completed our review of the *Draft Final Baseline Ecological Risk Assessment* (BERA) dated June 2011 with the support from our risk assessment contractor TechLaw and approves the June 2011 BERA without further comment.

Should you have any questions or comments regarding this letter, please do not hesitate to contact me.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: E. Jean Underwood (BER) → Coastal Refinery, El Dorado File (C2-008-70243-1)
Carl Crane, URS
Kristen Pavlovick, TechLaw

elpaso

July 19, 2011

RECEIVED
JUL 21 2011
BY: UD WCH-1

Margaret Weiser
Environmental Scientist/Project Manager
Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section/Site Remediation Unit
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

Eric C. Staab, P.E.
Professional Environmental Engineer
Kansas Department of Health and Environment
Bureau of Water
1000 SW Jackson Street, Suite 420
Topeka, KS 66612-1367

RE: Response to KDHE Comments
Final (100%) Water Treatment Design
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Ms. Weiser and Mr. Staab:

This letter presents the El Paso Merchant Energy–Petroleum Company (EPME-PC) response to the Kansas Department of Health and Environment–Bureau of Environmental Remediation (KDHE-BER) and Kansas Department of Health and Environment–Bureau of Water's (KDHE-BOW) comment letter dated June 30, 2011 regarding the Final (100%) Water Treatment Design for the former Coastal Refinery Site in El Dorado, Kansas (Site).

The KDHE's comment from the June 30, 2011 letter is reprinted below followed by EPME-PC's response.

KDHE Specific Comment:

1) The data provided on Table 2-1 of the 100% design indicates that influent vinyl chloride concentrations have been observed at a maximum concentration of 240 micrograms per liter (µg/L) which exceeds the maximum concentration of vinyl chloride for the toxicity characteristic of 200 µg/L as per 40 CFR 264.24. KDHE recognizes that the elevated concentrations of vinyl chloride were observed prior to entering the treatment process and that these concentrations will likely be reduced during the pre-treatment stages (i.e., cascade aerator, settling basin). However, it is worthy to note that it is contrary to Kansas statute to discharge/dispose any hazardous waste to the ground in Kansas, and therefore, anything discharged onto the constructed wetlands must be non-hazardous. KDHE requests additional data be provided (e.g., post oil/water separator sample, etc.) to demonstrate that the actual influent concentrations into the constructed wetlands will not exhibit toxicity characteristics for any contaminant. Please be advised, should contaminant concentrations increase to levels exceeding toxicity characteristics additional pre-treatment activities would be

required. KDHE requests a written response to this comment and a timeframe for data collection be submitted on or before July 21, 2011.

EPME-PC Response: Pre- and post-oil/water separator water samples were collected on July 6, 2011 for evaluation purposes. Results from this sampling event will be presented to the KDHE-BOW and KDHE-BER once analytical results are received from the laboratory. Our consultant (MWH Americas, Inc (MWH)) will provide a brief letter to the KDHE-BOW and KDHE-BER within the next 30 days. The letter report will present the results of the July 6, 2011 sampling event as well as MWH's evaluation of those results with respect to the issues raised in the above comment.

EPME-PC appreciates your consideration in this matter. If you have any questions or comments about EPME-PC's responses, please do not hesitate to call me at (719) 520-4615.

Sincerely,

Bart T. Willing for

Brian Kellmann, P.G., CHMM
Project Manager
Environmental Remediation
El Paso Corporation

cc: E. Jean Underwood, KDHE-BER
Doug Mick, MWH
Bill Pickens, MWH

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
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Robert Moser, MD, Secretary Department of Health & Environment Sam Brownback, Governor

August 4, 2011

Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Proposed Addition of an Underground Oil/Water Separator (UOWS) to the Final (100%) Water Treatment Design
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment (KDHE) – Bureau of Environmental Remediation (BER) and Bureau of Water (BOW) acknowledge receipt of the above mentioned document. KDHE has completed its review of the *Proposed Addition of an Underground Oil/Water Separator (UOWS) to the April 2011, Final (100%) Water Treatment Design* dated July 27, 2011 and approves the design document without comment.

The addition of the UOWS in the treatment process requires a modification of the wastewater treatment facility description in National Pollution Discharge Elimination System (NPDES) permit No. I-WA09_PO01. However, as this is a minor change to the overall wastewater treatment process, the NPDES permit will not be modified at this time. The addition of the UOWS has been noted by KDHE and will be incorporated in future modifications of the permit. Should you have any questions regarding this letter or the project in general, please do not hesitate to contact us.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

Eric C. Staab, P.E.
Professional Environmental Engineer
Industrial Programs Section
Bureau of Water

Enclosure

cc: E. Jean Underwood, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Eric Staab, BOW
Doug Mick, MWH
Jeffrey D. TeGrotenhuis, MWH

Bureau of Waste Management
Curtis State Office Building
1000 SW Jackson, Suite 320
Topeka, KS 66612-1366

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Department of Health & Environment

phone: 785-296-1600
fax: 785-296-1592
email: bwmweb@kdheks.gov
www.kdheks.gov/waste

Robert Moser, MD, Secretary.

Sam Brownback, Governor

October 17, 2011

Mr. Brian Kellmann, P.G. CHMM
Project Manager
El Paso Corporation
Environmental Remediation Department
2 North Nevada Avenue
Colorado Springs, CO 80903

Re: Partial Closure of Landfarm – All cells with exception of B18 and C21
El Paso Merchant Energy Petroleum Co., El Dorado Facility
1835 N. Topeka Street, El Dorado, Butler County
KDHE: BWM #632

Dear Mr. Kellmann:

On September 19, 2011 KDHE BWM received the laboratory analytical results for the landfarm closure confirmation soil samples. A review of the analytical report indicates the petroleum contaminated soil has been remediated to an acceptable level for all cells with the exception of two cells that exceeded the GRO maximum limit of 79.3 mg/kg: B-18 (GRO 342 mg/kg) and C21 (GRO of 232 mg/kg).

With the exception of cells B-18 and C-21, this letter will serve as the authorization for the closure of the remaining remediation project, which originally was approved on October 11, 2010. The documents submitted complete the requirements for this project to be exempted from solid waste permit requirements as cited in K.S.A. 65-3407c. As per your September 19 submittal and a phone conversation today with Douglas Mick of MWH, the remaining cells will continue to be periodically disced until PID results indicate closure objectives have been met, at which time confirmation laboratory samples will be collected from these cells and provided to KDHE.

You may contact me at 785-296-6561 if you have questions or comments.

Sincerely,

Shelley L. Schupp, P.E.
SW Processing and Planning Unit
Solid Waste Permits Section

C (by email)
Doug Mick, MWH Americas, Inc.
Margaret Weiser, KDHE BER
Debbie Travis, Stan Marcotte, KDHE BEFS SCDO

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St. Suite 110
Topeka KS 66612-1367

Robert Moser, MD, Secretary

Kansas

Department of Health & Environment

Phone 785 296 5555
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Sam Brownback, Governor

March 9, 2012

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Final Human Health Risk Assessment (HHRA)
El Paso Merchant Energy-Petroleum Company
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt of the above mentioned document prepared by URS Corporation on behalf of El Paso Merchant Energy-Petroleum Company (El Paso). KDHE-BER has completed its review of the *Final Human Health Risk Assessment* (HHRA) dated February 2012 and approves the HHRA without further comment. KDHE-BER looks forward to working with El Paso to develop the Corrective Action Study (CAS) for this Site by using the results of the HHRA and other associated documents.

Should you have any questions or comments regarding this letter, please feel free to contact me.

Sincerely,

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: Mary Daily, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Jim Garrison, URS
Kristen Pavlovick, TechLaw

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Kansas

RECEIVED
MAR 15 2012
BY: LD WCH-1

Phone: 785.296.5555
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mweiser@kdheks.gov
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Robert Moser, MD, Secretary
Department of Health & Environment
Sam Brownback, Governor

March 13, 2012

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Wastewater/Stormwater Pond Sediment Stabilization Field-Scale Test Results
Wastewater/Stormwater Pond Revised Final Grade
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt and has completed its review of the above mentioned documents. KDHE-BER approves the *Wastewater/Stormwater Pond Revised Final Grade* document dated March 9, 2012, and offers the following comment regarding the *Wastewater/Stormwater Pond Sediment Stabilization Field Scale Test Results* dated February 28, 2012. Specifically, it is important to note that the Construction Quality Control and Assurance Plan, discussed in the last paragraph on Page 4, also includes testing requirements to ensure the permeability performance criteria ($1x10^{-6}$ cm/sec) is met. Based on this information along with the data provided in the above mentioned document, KDHE-BER concurs with proceeding with full-scale implementation utilizing Grade 100 furnace slag.

Should you have any questions or comments regarding this letter, please feel free to contact me.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: Mary Daily, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Chad Tomlinson, MWH
Eric Staab, BOW

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Robert Moser, MD, Secretary

Kansas

Department of Health & Environment

Phone 785 296 5555
Fax 785 296 7030
mweiser@kdheks.gov
www.kdheks.gov

Sam Brownback, Governor

March 28, 2012

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Final Baseline Ecological Risk Assessment West Branch Walnut River and South Tank Farm
El Paso Merchant Energy-Petroleum Company
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt of the above mentioned risk assessment submitted by URS Corporation on behalf of El Paso Merchant Energy-Petroleum Company (El Paso). KDHE-BER has completed its review of the *Final Baseline Ecological Risk Assessment (BERA) West Branch Walnut River and South Tank Farm* dated March 2012 and approves the BERA without further comment. KDHE-BER looks forward to working with El Paso to develop the Corrective Action Study (CAS) for this Site by using the results of the BERA and other associated documents.

Should you have any questions or comments regarding this letter, please feel free to contact me.

Sincerely,

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Remedial Section/Site Remediation Unit
Bureau of Environmental Remediation

cc: Mary Daily, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Carl Crane, URS
Kristen Pavlovick, TechLaw

Bureau of Environmental Remediation
Curtis State Office Building
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Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

May 9, 2012

RECEIVED
MAY 1 0 2012
LD WCH-1

Mr. Brian Kellmann
El Paso Corporation
2 North Nevada Avenue
Colorado Springs, CO 80903

RE: Use of Asphalt Handling Area Pit Material for the Wastewater/Stormwater Pond Sediment Stabilization
Former Coastal Refinery, El Dorado Site
El Dorado, Kansas

Dear Mr. Kellmann:

The Kansas Department of Health and Environment – Bureau of Environmental Remediation (KDHE-BER) acknowledges receipt of the above mentioned document. Based on our review of the *Use of Asphalt Handling Area Pit Material for the Wastewater/Stormwater Pond Sediment Stabilization*, letter document dated May 3, 2012, KDHE-BER concurs with the recommended change in the stabilization process. Should you have any questions or comments regarding this letter or the project in general, please do not hesitate to contact me.

Sincerely,

Margaret J. Weiser

Margaret J. (Maggie) Weiser
Environmental Scientist/Project Manager
Bureau of Environmental Remediation

cc: Ryan Weiser, BER → Coastal Refinery, El Dorado File (C2-008-70243-1)
Doug Mick, MWH
Chad Tomlinson, MWH

From: Maggie Weiser
Sent: Thursday, July 12, 2012 10:56 AM
To: Douglas Mick
Cc: Kellmann, Brian E (Brian) Ryan Weiser
Subject: RE: EPME-PC El Dorado Site - AHA excavation and STF borrow area

Doug –

The KDHE concurs with MWH's plan presented in your July 10, 2012 email with one minor exception. KDHE recommends, minimally, collecting one sample from the STF berms for laboratory confirmation. While it may not be necessary to wait on the laboratory results prior to moving the soil to the AHA area, it will provide the documentation necessary to alleviate any potential concern associated with using this borrow material. Please let me know if you have any questions.

Regards,

Maggie Weiser
Brownfields Coordinator
KDHE-BER

Bureau of Waste Management
Curtis State Office Building
1000 SW Jackson, Suite 320
Topeka, KS 66612-1366

Kansas

phone: 785-296-1600
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email: bwmweb@kdheks.gov
www.kdheks.gov/waste

Robert Moser, MD, Secretary.

Department of Health & Environment

Sam Brownback, Governor

November 28, 2012

Mr. Brian Kellmann, P.G. CHMM
Project Manager
Kinder Morgan, Inc.
Environmental Remediation Department
2 North Nevada Avenue
Colorado Springs, CO 80903

Re: Closure of El Paso Landfarm
El Paso Merchant Energy Petroleum Co., El Dorado Facility
1835 N. Topeka Street, El Dorado, Butler County
KDHE: BWM #632 BER #03-E-0021

Dear Mr. Kellmann:

On November 28, 2012 KDHE BWM received the laboratory analytical results for the landfarm closure confirmation soil samples for the remaining open cells (B-18 and C-21). A review of the analytical report indicates the petroleum contaminated soil has been remediated to an acceptable level for these cells.

This letter will serve as the authorization for the closure of this remediation project, which originally was approved on October 11, 2010. The documents submitted complete the requirements for this project to be exempted from solid waste permit requirements as cited in K.S.A. 65-3407c. You may contact me at 785-296-6561 if you have questions or comments.

Sincerely,

Shelley L. Schupp

Shelley L. Schupp, P.E.
SW Processing and Planning Unit
Solid Waste Permits Section

C (by email)
Cristy H. Philips, MWH Americas, Inc.
Margaret Weiser, KDHE BER
Debbie Travis, Stan Marcotte, KDHE BEFS SCDO

APPENDIX C
MATERIALS RECEIPTS

MWH

Applied Ecological Services
PO Box 256
Brodhead, WI 53520

608-897-8641

SHIP TO Eldorado Refinery

Oskaloosa, KS

Load Sheet

Order	Order Date	Ship Date	Week	Customer	Purchase Order	Ship Via	Sold To
10636	10/20/11	10/24/11	43/11	AESKS			Applied Ecological Services FS

Delivery 11-0317

Location	Product	Quantity	Units	Comment
Plants				
CI	Iris virginica shrevei-50	43	2150	
COOL	Sagittaria latifolia-BR	5250	5250	
CI	Scirpus atrovirens-50	50	2500	
BI	Spartina pectinatu-32	130.09	4163	
		5473.09	14063	

Type Totals

Plants	14063	5473.09
Final Totals:	5473.09 14063	Total Boxes/Racks: 14063

Page 1

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805679617

2210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To: 1188986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information Page 1 of 1
Ship Date 04/19/2012 Time In: 15:44
Rq.Div.Date/Time 00:00 Time Out: 16:50
Customer PO/Dt 2-3529-0086
Order Number/Date 1100048371 / 04/19/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,280 lb
Net Weight 53,300 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,300 lb	26.650 tn
			Total Weight		26.650 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/19/2012 16:50:14

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805668894

2210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To: 1188986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information Page 1 of 1
Ship Date 04/20/2012 Time In: 07:46
Rq.Div.Date/Time 00:00 Time Out: 07:54
Customer PO/Dt 2-3529-0086
Order Number/Date 1100016875 / 04/20/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 25,040 lb
Net Weight 54,600 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7705
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,600 lb	27.300 tn
			Total Weight		27.300 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 TLIBERTY 04/20/2012 08:54:55

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805669796

2210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To: 1188986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information Page 1 of 1
Ship Date 04/20/2012 Time In: 06:57
Rq.Div.Date/Time 00:00 Time Out: 08:03
Customer PO/Dt 2-3529-0086
Order Number/Date 1100052047 / 04/20/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 25,820 lb
Net Weight 54,000 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7699
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,000 lb	27.000 tn
			Total Weight		27.000 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 TLIBERTY 04/20/2012 07:03:58

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805676123

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 04/19/2012 Time In: 14:55
Rq.Div.Date/Time 00:00 Time Out: 16:02
Customer PO/Dt 2-3529-0086
Order Number/Date 1100055177 / 04/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 25,660 lb
Net Weight 53,920 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,920 lb	26.960 tn
			Total Weight		26.960 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages only), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(1) in the reverse side hereof for definitions of U.S. State, and Canadian State, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to the all U.S. State (in (1) the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor vehicle shipment, and (3) the terms and conditions of the Canadian Bill of Lading approved for use in Canada by the Board of Transport Commissioners for Canada by general order No. 1, dated February 1, 1955 and in effect on December 31, 1967 or the applicable Canadian Freight Classification and rules and regulations lawfully filed with and made a part of such Canadian Bill of Lading, which shall govern insofar as they do not conflict with the terms of this Bill of Lading, and (4) the rules and regulations of the Motor Carrier Division of the Canadian Pacific Limited, which shall govern insofar as they do not conflict with the terms of this Bill of Lading, including those on the back hereof, all as set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Weare/Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 TUBERTY 04/19/2012 16:02:08

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805677480

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 04/19/2012 Time In: 15:52
Rq.Div.Date/Time 00:00 Time Out: 15:57
Customer PO/Dt 2-3529-0086
Order Number/Date 1100061046 / 04/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,400 lb
Tare Weight 26,200 lb
Net Weight 53,200 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,200 lb	26.601 tn
			Total Weight		26.601 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages only), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(1) in the reverse side hereof for definitions of U.S. State, and Canadian State, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to the all U.S. State (in (1) the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor vehicle shipment, and (3) the terms and conditions of the Canadian Bill of Lading approved for use in Canada by the Board of Transport Commissioners for Canada by general order No. 1, dated February 1, 1955 and in effect on December 31, 1967 or the applicable Canadian Freight Classification and rules and regulations lawfully filed with and made a part of such Canadian Bill of Lading, which shall govern insofar as they do not conflict with the terms of this Bill of Lading and (4) the rules and regulations of the Motor Carrier Division of the Canadian Pacific Limited, which shall govern insofar as they do not conflict with the terms of this Bill of Lading, including those on the back hereof, all as set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Weare/Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/19/2012 15:57:06

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805672170

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 04/19/2012 Time In: 14:47
Rq.Div.Date/Time 00:00 Time Out: 14:53
Customer PO/Dt 2-3529-0085
Order Number/Date 1100060942 / 04/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,760 lb
Tare Weight 26,280 lb
Net Weight 53,480 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 1203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages only), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(1) in the reverse side hereof for definitions of U.S. State, and Canadian State, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to the all U.S. State (in (1) the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor vehicle shipment, and (3) the terms and conditions of the Canadian Bill of Lading approved for use in Canada by the Board of Transport Commissioners for Canada by general order No. 1, dated February 1, 1955 and in effect on December 31, 1967 or the applicable Canadian Freight Classification and rules and regulations lawfully filed with and made a part of such Canadian Bill of Lading, which shall govern insofar as they do not conflict with the terms of this Bill of Lading and (4) the rules and regulations of the Motor Carrier Division of the Canadian Pacific Limited, which shall govern insofar as they do not conflict with the terms of this Bill of Lading, including those on the back hereof, all as set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Weare/Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 TUBERTY 04/19/2012 16:53:17

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805680218

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 04/20/2012 Time In: 10:27
Rq.Div.Date/Time 00:00 Time Out: 10:32
Customer PO/Dt 2-3529-0088
Order Number/Date 1100061258 / 04/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,240 lb
Tare Weight 28,600 lb
Net Weight 50,640 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,640 lb	25.320 tn
			Total Weight		25.320 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages only), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(1) in the reverse side hereof for definitions of U.S. State, and Canadian State, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to the all U.S. State (in (1) the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor vehicle shipment, and (3) the terms and conditions of the Canadian Bill of Lading approved for use in Canada by the Board of Transport Commissioners for Canada by general order No. 1, dated February 1, 1955 and in effect on December 31, 1967 or the applicable Canadian Freight Classification and rules and regulations lawfully filed with and made a part of such Canadian Bill of Lading, which shall govern insofar as they do not conflict with the terms of this Bill of Lading and (4) the rules and regulations of the Motor Carrier Division of the Canadian Pacific Limited, which shall govern insofar as they do not conflict with the terms of this Bill of Lading, including those on the back hereof, all as set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Weare/Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD 900 TUBERTY 04/20/2012 11:32:53

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4656

Bill of Lading: 805682414

Ship To # 1168999

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1833 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/20/2012 — Time In: 10:54
Req.Div.Date/Time 00:00 — Time Out: 10:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100067701 / 04/20/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Scales Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 28,160 lb
Net Weight 51,320 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,320 lb	25.660 tn
			Total Weight		25.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-900 TLIBERTY 04/20/2012 11:09:46

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4656

Bill of Lading: 805669797

Ship To # 1168999

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1833 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/20/2012 — Time In: 08:36
Req.Div.Date/Time 00:00 — Time Out: 08:43
Customer PO/Dt 2-3529-0086
Order Number/Date 1100062048 / 04/20/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Scales Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 25,020 lb
Net Weight 54,500 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7703
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,500 lb	27.250 tn
			Total Weight		27.250 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-900 TLIBERTY 04/20/2012 07:43:05

LAFARGE NORTH AMERICA

Lafarge North America

#1 7:25 9:15

Signature of Shipper: 67502

Page

Branch/Plant: LA Forge Fredonia KS

Shipped To: Remediation Eldorado KS

BOL No.	M910215
Load No.	
Sales Order No.	
Shipment No.	
Shipment Date	4/19/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To | Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	TYPE 1/11			79960		30660	49300	24.65
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS		412 (NAC)	587 (NAC)	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

M910215 — OPERATOR

LAFARGE NORTH AMERICA

Lafarge North America

#2 #1 9:41 11:00

Signature of Shipper: 67502

Page

Branch/Plant: LA Forge Fredonia KS

Shipped To: Remediation Eldorado KS

BOL No.	M910218
Load No.	
Sales Order No.	
Shipment No.	
Shipment Date	4/19/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To | Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	TYPE 1/11			79800		30640	49160	21.58
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311516	211 (NAC)	51 (CWAC)	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

M910218 — OPERATOR

LAFARGE NORTH AMERICA

Lafarge North America

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Page

Branch/Plant: 67502 Shipped To: Fredonia, Ks. - Reconstruction Service

BOL No. / Load No.	M910220
Sales Order No. / Shipment No.	
Shipment Date	4/20/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TB
Cement	Type 1							
			Total US	80000		30940	49060	24.53
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311316	42 CNAW	807 CNAW	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:

Shipper Signature/Date

Driver Signature/Date

Customer Signature/Date

OPERATOR

M910220

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805245591

Bill of Lading:

Ship To #1168986

Shipping Information — Page 1 of 1

Ship Date 04/20/2012 Time In: 15:25
Rq.Div.Date/Time 00:00 Time Out: 15:32
Customer PO/Dt 2-3529-0086
Order Number/Date 1100031424 / 04/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,620 lb
Tare Weight	25,600 lb
Net Weight	54,020 lb

Carrier/Vehicle Details

Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7560

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	54,020 lb	27.009 tn
			Total Weight		27.009 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 04/20/2012 16 33:14

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805245592

Bill of Lading:

Ship To #1168986

Shipping Information — Page 1 of 1

Ship Date 04/20/2012 Time In: 15:48
Rq.Div.Date/Time 00:00 Time Out: 15:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100031425 / 04/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,760 lb
Tare Weight	26,140 lb
Net Weight	53,620 lb

Carrier/Vehicle Details

Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	53,620 lb	26.810 tn
			Total Weight		26.810 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 04/20/2012 16 53:58

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805676919

Bill of Lading:

Ship To #1168986

Shipping Information — Page 1 of 1

Ship Date 04/23/2012 Time In: 08:03
Rq.Div.Date/Time 00:00 Time Out: 08:09
Customer PO/Dt 2-3529-0086
Order Number/Date 1100074648 / 04/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,280 lb
Tare Weight	24,920 lb
Net Weight	54,360 lb

Carrier/Vehicle Details

Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7703

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	54,360 lb	27.180 tn
			Total Weight		27.180 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBATY 04/23/2012 07:09:23

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805677277

Customer Service
1-800-654-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 04/23/2012 — Time In: 04:53
Rq.Div.Date/Time 00:00 — Time Out: 04:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100082864 / 04/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 25,740 lb
Net Weight 53,960 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,960 lb	26.980 tn
			Total Weight		26.980 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract of lading and hereon as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its water line, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading in effect on the date hereof, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the transportation shall be subject to Section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing bill and minor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/23/2012 06:59:28

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805678448

Customer Service
1-800-654-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 04/23/2012 — Time In: 05:26
Rq.Div.Date/Time 00:00 — Time Out: 05:34
Customer PO/Dt 2-3529-0086
Order Number/Date 1100087265 / 04/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 25,540 lb
Net Weight 54,080 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7705

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn
			Total Weight		27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract of lading and hereon as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its water line, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading in effect on the date hereof, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the transportation shall be subject to Section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing bill and minor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/23/2012 06:34:43

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805678449

Customer Service
1-800-654-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 04/23/2012 — Time In: 05:44
Rq.Div.Date/Time 00:00 — Time Out: 05:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100087266 / 04/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,320 lb
Tare Weight 29,400 lb
Net Weight 49,920 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7985

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	49,920 lb	24.960 tn
			Total Weight		24.960 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract of lading and hereon as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its water line, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading in effect on the date hereof, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the transportation shall be subject to Section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing bill and minor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/23/2012 06:47:27

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805245590

Customer Service
1-800-654-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 04/20/2012 — Time In: 15:03
Rq.Div.Date/Time 00:00 — Time Out: 15:09
Customer PO/Dt 2-3529-0086
Order Number/Date 1100031423 / 04/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,220 lb
Tare Weight 25,920 lb
Net Weight 53,300 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,300 lb	26.650 tn
			Total Weight		26.650 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract of lading and hereon as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its water line, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading in effect on the date hereof, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the transportation shall be subject to Section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing bill and minor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/20/2012 18:09:32

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805678447

5310 Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/23/2012 Time In: 05:20
Rq.Dlv.Date/Time 00.00 Time Out: 05:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100067264 / 04/23/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 28,400 lb
Net Weight 51,140 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,140 lb	25.570 tn
			Total Weight		25.570 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

[illegible]

Loaded By:
Driver [signature]
Customer
(Signature of consignor)

PRD-800 AAMEYER 04/23/2012 06:28:33

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805245587

5310 Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/20/2012 Time In: 14:39
Rq.Dlv.Date/Time 00:00 Time Out: 14:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100031420 / 04/20/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,120 lb
Net Weight 53,520 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

[illegible]

Loaded By:
Driver B Gold [signature]
Customer
(Signature of consignor)

PRD-800 AAMEYER 04/20/2012 15:45:06

LAFARGE NORTH AMERICA

#1 7:27 9:31

Lafarge North America

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: 67502

Page

Branch/Plant: LA Farge Fredonia KS
Shipped To: Remediation El Dorado KS

BOL No. / Load No.	M910222
Sales Order No. / Shipment No.	
Shipment Date	4/20/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.					
Item Description	**Item No. Begin/End Silo**	**Bags or Gross KG LB**	**PLT**	**Bag Wgt or Tare KG LB**	**Net KG LB**	**Total TM TS**
Cement		79980		29960	50020	25.01
	Total US					
	Total CA					
Additional Sales Order No. - If Applicable						

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date [signature]
Driver Signature/Date [signature]
Customer Signature/Date [signature]
OPERATOR

CEMAMUSLNA 04/10

M910222

LAFARGE NORTH AMERICA

#2 9:25 11:06 11:31

Lafarge North America

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Page

Branch/Plant: Fredonia
Shipped To: Remediation Services

BOL No. / Load No.	M910226
Sales Order No. / Shipment No.	
Shipment Date	4/23/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.					
Item Description	**Item No. Begin/End Silo**	**Bags or Gross KG LB**	**PLT**	**Bag Wgt or Tare KG LB**	**Net KG LB**	**Total TM TS**
Cement	T 1/2 19	84,820		31,780	53,040	26.52
	Total US					
	Total CA					
Additional Sales Order No. - If Applicable						

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311816	02 CNAW	801 CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date William Potter
Driver Signature/Date [signature]
Customer Signature/Date [signature]
OPERATOR

CEMAMUSLNA 04/10

M910226

LAFARGE NORTH AMERICA

Lafarge North America

#3
12:45
1:50

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Page

Branch/Plant: 67502 Fredonia KS.

Shipped To: Remediation Services

BOL No.	M910227
Load No.	
Sales Order No. / Shipment No.	
Shipment Date	4-23-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To | Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	type 1-2		19					
				77740	30560	47180	24.57	
Total US								
Total CA								
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS		42 CNMN	507 CNMN	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

Seal Stamp:

Shipper Signature/Date: Willard Findley

Driver Signature/Date:

Customer Signature/Date:

M910227

OPERATOR

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

805682457

Ship To #1188896

Bill of Lading:

Shipping Information Page 1 of 1

Ship Date 04/23/2012 Time In: 15:09
Rq.Div.Date/Time 00:00 Time Out: 15:20
Customer PO/Dt 2-3529-0086
Order Number/Date 1100076442 / 04/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,780 lb
Tare Weight 25,980 lb
Net Weight 53,800 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,800 lb	26.900 tn
			Total Weight		26.900 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, can a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 RWOMMACK 04/23/2012 16:20:28

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

805683816

Ship To #1188896

Bill of Lading:

Shipping Information Page 1 of 1

Ship Date 04/24/2012 Time In: 05:12
Rq.Div.Date/Time 00:00 Time Out: 05:17
Customer PO/Dt 2-3529-0086
Order Number/Date 1100074304 / 04/24/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,520 lb
Tare Weight 28,480 lb
Net Weight 51,040 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,040 lb	25.520 tn
			Total Weight		25.520 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, can a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/24/2012 05:17:13

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

805683293

Ship To #1188896

Bill of Lading:

Shipping Information Page 1 of 1

Ship Date 04/24/2012 Time In: 06:04
Rq.Div.Date/Time 00:00 Time Out: 06:10
Customer PO/Dt 2-3529-0086
Order Number/Date 1100076056 / 04/24/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,840 lb
Tare Weight 26,500 lb
Net Weight 53,340 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,340 lb	26.670 tn
			Total Weight		26.670 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, can a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/24/2012 08:10:06

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805683818

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date	04/24/2012	Time In:	05:36
Rq.Div.Date/Time	00:00	Time Out:	05:42
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100074306 / 04/24/2012		
Customer Number	34546		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,100 lb
Tare Weight	28,680 lb
Net Weight	50,420 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,420 lb	25.211 tn
			Total Weight		25.211 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Section 7(1) on the reverse side hereof for additional terms of U.S. Sales, and Canadian Sales, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. It is agreed that the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1955 and in effect on December 1, 1955 set forth in the Canadian Freight Classification and Rules and Regulations governing motor carriers of freight, and also applicable all rights and delivery service, storage and demurrage charges, when such goods are carried by a rail carrier, and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading, including those on the back hereof, and hereby agrees to the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the declared or estimated weight agreed to by the shipper and accepted by the carrier, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/24/2012 06:42:21

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805683292

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date	04/24/2012	Time In:	04:56
Rq.Div.Date/Time	00:00	Time Out:	05:01
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100078065 / 04/24/2012		
Customer Number	34546		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,580 lb
Tare Weight	24,960 lb
Net Weight	54,620 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC
Contract#
Vehicle 7703

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,620 lb	27.310 tn
			Total Weight		27.310 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Section 7(1) on the reverse side hereof for additional terms of U.S. Sales, and Canadian Sales, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. It is agreed that the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1955 and in effect on December 1, 1955 set forth in the Canadian Freight Classification and Rules and Regulations governing motor carriers of freight, and also applicable all rights and delivery service, storage and demurrage charges, when such goods are carried by a rail carrier, and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading, including those on the back hereof, and hereby agrees to the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the declared or estimated weight agreed to by the shipper and accepted by the carrier, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD 900 AAMEYER 04/24/2012 06:02:01

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805682646

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date	04/23/2012	Time In:	14:17
Rq.Div.Date/Time	00:00	Time Out:	14:29
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100075861 / 04/23/2012		
Customer Number	34546		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	60,080 lb
Tare Weight	26,120 lb
Net Weight	53,960 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 1203

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,960 lb	26.980 tn
			Total Weight		26.980 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Section 7(1) on the reverse side hereof for additional terms of U.S. Sales, and Canadian Sales, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. It is agreed that the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1955 and in effect on December 1, 1955 set forth in the Canadian Freight Classification and Rules and Regulations governing motor carriers of freight, and also applicable all rights and delivery service, storage and demurrage charges, when such goods are carried by a rail carrier, and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading, including those on the back hereof, and hereby agrees to the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the declared or estimated weight agreed to by the shipper and accepted by the carrier, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 RWCWMACK 04/23/2012 18:39:41

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805053118

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date	04/23/2012	Time In:	15:49
Rq.Div.Date/Time	00:00	Time Out:	15:59
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100038202 / 04/23/2012		
Customer Number	34546		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,540 lb
Tare Weight	25,880 lb
Net Weight	53,660 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,660 lb	26.830 tn
			Total Weight		26.830 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Section 7(1) on the reverse side hereof for additional terms of U.S. Sales, and Canadian Sales, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. It is agreed that the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1955 and in effect on December 1, 1955 set forth in the Canadian Freight Classification and Rules and Regulations governing motor carriers of freight, and also applicable all rights and delivery service, storage and demurrage charges, when such goods are carried by a rail carrier, and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading, including those on the back hereof, and hereby agrees to the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the declared or estimated weight agreed to by the shipper and accepted by the carrier, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 RWCWMACK 04/23/2012 16:53:28

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4666

805684010

Bill of Lading:

Ship To: 71166896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information:
Ship Date 04/23/2012 Time In: 18:22
Rq.Div.Date/Time 00:00 Time Out: 18:29
Customer PO/Dt 2-3529-0066
Order Number/Date 1100079806 / 04/23/2012
Customer Number 34546
Reference

Conditions: Bonded Weight (Bulk Only)
Gross Weight 79,260 lb
Tare Weight 26,080 lb
Net Weight 53,180 lb

Delivery FP
Route

Carrier/Vehicle Details:
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7657
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details:

Material	Description	Silo	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,180 lb	26.590 tn
			Total Weight		26.590 tn

ENVIROCORE

Shipping Instruction:
This ground granulated blast slag meets the requirements: As
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2, Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-600 RYOMMACK 04/23/2012 16:31:12

LAFARGE NORTH AMERICA

Lafarge North America

#1 7.29 2.55

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: 67502

Page

Branch/Plant: LA Farge Fredonia KS

Shipped To: Remediation Services Eldorado KS

BOL No. / Load No.	M910228
Sales Order No. / Shipment No.	
Shipment Date	4/23/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	TYPE I/II			79980		30620	49360	24.68
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS		42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

M910228 OPERATOR

LAFARGE NORTH AMERICA

Lafarge Midwest

4432133-28463153 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

#2 12:40

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 Of 1

Signature of Shipper:

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4432133
Sales Order No. / Shipment No.	41709138 / 28463153
Shipment Date	04/24/12
Customer Requested Delivery Date	04/17/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100017502	06 02 06:04	13	79,920		27,180	52,740	26.370
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,920 *		27,180 *	52,740 *	26.370 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1619CNAW	198CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA

Lafarge Midwest

4432944-28515777 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

#3 12:00

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 Of 1

Signature of Shipper:

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4432944
Sales Order No. / Shipment No.	41709138 / 28515777
Shipment Date	04/24/12
Customer Requested Delivery Date	04/24/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100017502	10:32 10:32	13	79,500		31,340	48,160	24.080
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,500 *		31,340 *	48,160 *	24.080 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805679511

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 04/25/2012 — Time In: 05:43
Rq.Div.Date/Time 00:00 — Time Out: 05:49
Customer PO/Dt 2-3529-0086
Order Number/Date 1100074695 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,760 lb
Net Weight 53,900 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation responsible for all or any portion of the route to destination) agrees to carry to its usual place of delivery at said destination, if on its own line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the classification and weight followed on the bill of lading are correct, subject to verification by the individual railroad or Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the proper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/25/2012 06:49:37

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805681866

Customer Service
1-800-854-4656

4/25/12

Ship To #1168896

Page 1 of 1
Time In: 11:59
00:00 — Time Out: 12:06
0086
9686 / 04/24/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 26,700 lb
Net Weight 52,920 lb

Carrier/Vehicle Details
Carrier Code 4000263
Carrier Name SUTTON TRUCKING
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,920 lb	26.461 tn

Total Weight 26.461 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation responsible for all or any portion of the route to destination) agrees to carry to its usual place of delivery at said destination, if on its own line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the classification and weight followed on the bill of lading are correct, subject to verification by the individual railroad or Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the proper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 TUBERTY 04/24/2012 13:06:31

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805675371

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 04/25/2012 — Time In: 04:57
Rq.Div.Date/Time 00:00 — Time Out: 05:02
Customer PO/Dt 2-3529-0086
Order Number/Date 1100090011 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 28,780 lb
Net Weight 50,960 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,960 lb	25.479 tn

Total Weight 25.479 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation responsible for all or any portion of the route to destination) agrees to carry to its usual place of delivery at said destination, if on its own line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the classification and weight followed on the bill of lading are correct, subject to verification by the individual railroad or Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the proper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/25/2012 06:02:28

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805679832

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 04/24/2012 — Time In: 13:22
Rq.Div.Date/Time 00:00 — Time Out: 13:29
Customer PO/Dt 2-3529-0086
Order Number/Date 1100088210 / 04/24/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 25,080 lb
Net Weight 54,740 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7703

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,740 lb	27.370 tn

Total Weight 27.370 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation responsible for all or any portion of the route to destination) agrees to carry to its usual place of delivery at said destination, if on its own line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the classification and weight followed on the bill of lading are correct, subject to verification by the individual railroad or Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the proper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 TUBERTY 04/24/2012 14:29:11

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805677787

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/25/2012 — Time In: 04:40
Rq.Div.Date/Time 00:00 — Time Out: 04:54
Customer PO/Dt 2-3529-0086
Order Number/Date 1100070103 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 25,500 lb
Net Weight 54,060 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,060 lb	27.030 tn
			Total Weight		27.030 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO-900 AAMEYER 04/25/2012 08:54:27

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805676203

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/25/2012 — Time In: 05:51
Rq.Div.Date/Time 00:00 — Time Out: 05:57
Customer PO/Dt 2-3529-0086
Order Number/Date 1100068368 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 25,820 lb
Net Weight 53,760 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,760 lb	26.881 tn
			Total Weight		26.881 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO-900 AAMEYER 04/25/2012 08:57:29

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805683061

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/25/2012 — Time In: 05:59
Rq.Div.Date/Time 00:00 — Time Out: 06:05
Customer PO/Dt 2-3529-0086
Order Number/Date 1100075370 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 26,100 lb
Net Weight 53,360 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,360 lb	26.680 tn
			Total Weight		26.680 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO-900 AAMEYER 04/25/2012 07:05:32

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

609613

804858667

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/25/2012 — Time In: 12:45
Rq.Div.Date/Time 00:00 — Time Out: 12:50
Customer PO/Dt 2-3529-0086
Order Number/Date 1100093201 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 29,700 lb
Net Weight 49,880 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	49,880 lb	24.940 tn
			Total Weight		24.940 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO 900 AAMEYER 04/25/2012 13:50:28

Holcim

KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805013050

3310 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1

Ship Date 04/25/2012 — Time In: 06:17
Rq.Div.Date/Time 00:00 — Time Out: 06:23
Customer PO/Dt 2-3529-0088
Order Number/Date 1100043812 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,020 lb
Tare Weight 27,860 lb
Net Weight 51,160 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,160 lb	25.580 tn
			Total Weight		25.580 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60817/North Kansas City Terminal.

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(5) on the reverse side hereof for definitions of U.S. Sales and Canadian Sales responsibility. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed here under shall be subjected to all U.S. Sales to all the terms and conditions of Uniform Domestic Straight Bill of Lading as set forth (1) in Uniform Freight classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment and for all Canadian Sales to all the terms and conditions of Canadian National Rules in effect on the date hereof, if this is rail or rail-water shipment, or (3) approved by the Canadian Freight Classification and also available at all railway agency stations and freight offices upon request, when said goods are carried by a rail carrier, or (4) of the bill of lading of the motor carrier as provided to be tariff of rules and regulations which said goods are carried by a motor carrier; or (5) of the bill of lading described by O.C.E.C.-79, April 4, 1979, when the said goods originating in Quebec are to be carried by a motor carrier, (6) or approved by the Board of Transport Commissioners for Canada by general order No. T-4.3, set forth in the Rules for the Carriage of Express and Non-carried Freight Traffic and also available at all express and railway agency stations and express and freight offices upon request, when said goods are carried by a rail carrier and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shipper begins in this of scale, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consigner shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consigner)

PRO-800 AAMEYER 04/25/2012 07:33:26

Holcim

ST.LOUIS
111 East Carrie Ave.
St Louis Missouri 63147

7530 Customer Service
1-800-854-4656

S21923266

Bill of Lading: S21923266

Ship To #0001168996

Shipping Information — Page 1 of 1

Ship Date 04/24/2012 — Time In: 9:02
Rq.Div.Date/Time — Time Out: 9:10
Customer PO/Dt
Customer Number
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	76,180 lb	34,554 kg
Tare Weight	26,900 lb	12,201 kg
Net Weight	49,280 lb	22,353 kg

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Con Cart 1217/7467

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	49,280 lb	24.640 tn	22.360 to
			Total Weight	24.640 tn		22.350 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
IL-DOT Qualified Plant No.544-07 Holcim Skyway, IL Mill

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(5) on the reverse side hereof for definitions of U.S. Sales and Canadian Sales responsibility. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed here under shall be subjected to all U.S. Sales to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment and for all Canadian Sales to all the terms and conditions (1) approved by the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1988 and in effect on December 21, 1987 set forth in the Canadian Freight Classification and also available at all railway agency stations and freight offices upon request, when said goods are carried by a rail carrier, or (2) of the bill of lading of the motor carrier as provided to be tariff of rules and regulations which said goods are carried by a motor carrier; or (3) of the bill of lading described by O.C.E.C.-79, April 4, 1979, when the said goods originating in Quebec are to be carried by a motor carrier, (4) or approved by the Board of Transport Commissioners for Canada by general order No. T-4.3, set forth in the Rules for the Carriage of Express and Non-carried Freight Traffic and also available at all express and railway agency stations and express and freight offices upon request, when said goods are carried by a rail carrier and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Loaded By:
Driver

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consigner shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consigner)

Customer

Holcim

ST.LOUIS
111 East Carrie Ave.
St Louis Missouri 63147

7530 Customer Service
1-800-854-4656

S21923300

Bill of Lading: S21923300

Ship To #0001168996

Shipping Information — Page 1 of 1

Ship Date 04/26/2012 — Time In: 7:11
Rq.Div.Date/Time — Time Out: 7:18
Customer PO/Dt
Customer Number
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	78,440 lb	35,579 kg
Tare Weight	25,340 lb	11,494 kg
Net Weight	53,100 lb	24,085 kg

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart 2565 / 7453

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	53,100 lb	26.550 tn	24.090 to
			Total Weight	26.550 tn		24.090 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
IL-DOT Qualified Plant No.544-07 Holcim Skyway, IL Mill

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. See Article 1(5) on the reverse side hereof for definitions of U.S. Sales and Canadian Sales responsibility. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed here under shall be subjected to all U.S. Sales to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment and for all Canadian Sales to all the terms and conditions (1) approved by the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1988 and in effect on December 21, 1987 set forth in the Canadian Freight Classification and also available at all railway agency stations and freight offices upon request, when said goods are carried by a rail carrier, or (2) of the bill of lading of the motor carrier as provided to be tariff of rules and regulations which said goods are carried by a motor carrier; or (3) of the bill of lading described by O.C.E.C.-79, April 4, 1979, when the said goods originating in Quebec are to be carried by a motor carrier, (4) or approved by the Board of Transport Commissioners for Canada by general order No. T-4.3, set forth in the Rules for the Carriage of Express and Non-carried Freight Traffic and also available at all express and railway agency stations and express and freight offices upon request, when said goods are carried by a rail carrier and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Loaded By:
Driver

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consigner, the consigner shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consigner)

Customer

LAFARGE NORTH AMERICA
Lafarge Midwest

4433926-28518634

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expenses (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions NON-RECOURSE. If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4433926
Sales Order No. / Shipment No.	41709136 / 28518634
Shipment Date	04/24/12
Customer Requested Delivery Date	04/24/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	SL100017502	18:02 18:12	13	80,100		30,500	49,600	24.800
BULK STANDARD	FUEL-B	NO_BELOW	Total US	80,100 *		30,500 *	49,600 *	24.800 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

Prepaid

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Shipper Signature/ Date

Driver Signature / Date

Customer Signature/ Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

#2 ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carier(s) agrees to carry with reasonable dispatch to such destination. Carier(s) shall verify the weight of this shipment and Carier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4433940
Sales Order No.	41709138
Shipment No.	28523938
Shipment Date	04/24/12
Customer Requested Delivery Date	04/24/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100017502	16:16 16:28	13	79,560		30,220	49,340	24.670

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,560 *	30,220 *	49,340 *	24.670 *
			Total CA				
Additional Sales Order No. - If Applicable							

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carier(s) agrees to carry with reasonable dispatch to such destination. Carier(s) shall verify the weight of this shipment and Carier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4435257
Sales Order No.	41709138
Shipment No.	28524135
Shipment Date	04/25/12
Customer Requested Delivery Date	04/24/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100017502	10:08 10:10	13	79,640		30,440	49,200	24.600

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,640 *	30,440 *	49,200 *	24.600 *
			Total CA				
Additional Sales Order No. - If Applicable							

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805686033

Customer Service
1-800-664-4656

Ship To 01168896

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 04/26/2012 — Time In: 04:02
Rq.Div.Date/Time 00:00 — Time Out: 04:07
Customer PO/Dt 2-3529-0086
Order Number/Date 1100089530 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 26,440 lb
Net Weight 53,120 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7587

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,120 lb	26.560 tn

Total Weight 26.560 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka...
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 AAMEYER 04/26/2012 05:07:48

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805673533

Customer Service
1-800-664-4656

Ship To 01168896

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 04/25/2012 — Time In: 14:37
Rq.Div.Date/Time 00:00 — Time Out: 14:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100012599 / 04/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,000 lb
Tare Weight 28,660 lb
Net Weight 50,340 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,340 lb	25.170 tn

Total Weight 25.170 tn

ENVIROCORE

Shipping Instructions

Loaded By:
Driver
Customer

PRD-900 RWOMMACK 04/25/2012 15:48:40

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-654-4656

805683618

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1

Ship Date 04/26/2012 — Time In: 11:19
Rq.Div.Date/Time 00:00 — Time Out: 11:25
Customer PO/Dt 2-3529-0088
Order Number/Date 1100031468 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,940 lb
Tare Weight 27,620 lb
Net Weight 52,320 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,320 lb	26.160 tn

Total Weight 26.160 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined to the indicated destination, which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading adopted by the American Petroleum Institute, effective June 1, 1965, and the applicable motor carrier classifications or tariffs in effect on the date hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the transportation shall be subject to the rules and regulations of the railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the upper logo used for this shipment conforms to the specifications and rules set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-800 TLIBERTY 04/26/2012 12:29:44

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-654-4656

805683339

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1

Ship Date 04/26/2012 — Time In: 04:09
Rq.Div.Date/Time 00:00 — Time Out: 04:16
Customer PO/Dt 2-3529-0088
Order Number/Date 1100089049 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 25,820 lb
Net Weight 53,800 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7650

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,800 lb	26.900 tn

Total Weight 26.900 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined to the indicated destination, which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading adopted by the American Petroleum Institute, effective June 1, 1965, and the applicable motor carrier classifications or tariffs in effect on the date hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the transportation shall be subject to the rules and regulations of the railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the upper logo used for this shipment conforms to the specifications and rules set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-800 AAMEYER 04/26/2012 06:16:54

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-654-4656

805680446

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1

Ship Date 04/26/2012 — Time In: 04:57
Rq.Div.Date/Time 00:00 — Time Out: 05:03
Customer PO/Dt 2-3529-0088
Order Number/Date 1100081839 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 25,800 lb
Net Weight 53,820 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,820 lb	26.910 tn

Total Weight 26.910 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined to the indicated destination, which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading adopted by the American Petroleum Institute, effective June 1, 1965, and the applicable motor carrier classifications or tariffs in effect on the date hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the transportation shall be subject to the rules and regulations of the railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the upper logo used for this shipment conforms to the specifications and rules set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-800 AAMEYER 04/26/2012 06:03:08

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-654-4656

805684245

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1

Ship Date 04/26/2012 — Time In: 06:20
Rq.Div.Date/Time 00:00 — Time Out: 06:28
Customer PO/Dt 2-3529-0088
Order Number/Date 1100097653 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 26,340 lb
Net Weight 53,280 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,280 lb	26.640 tn

Total Weight 26.640 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subjected to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined to the indicated destination, which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading adopted by the American Petroleum Institute, effective June 1, 1965, and the applicable motor carrier classifications or tariffs in effect on the date hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the transportation shall be subject to the rules and regulations of the railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the upper logo used for this shipment conforms to the specifications and rules set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-800 TLIBERTY 04/26/2012 07:28:07

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

Bill of Lading: 805683340

Ship To: #168998

Page 1 of 1

Shipping Information
Ship Date 04/26/2012 Time In: 04:26
Rq.Dlv.Date/Time 00:00 Time Out: 04:31
Customer PO/Dt 2-3529-0088
Order Number/Date 1100089050 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES LP
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,940 lb
Tare Weight 25,840 lb
Net Weight 54,100 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,100 lb	27.050 tn
			Total Weight		27.050 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 AAMEYER 04/26/2012 09:31:34

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

Bill of Lading: 805680448

Ship To: #168998

Page 1 of 1

Shipping Information
Ship Date 04/26/2012 Time In: 05:42
Rq.Dlv.Date/Time 00:00 Time Out: 05:46
Customer PO/Dt 2-3529-0088
Order Number/Date 1100081641 / 04/26/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES LP
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 77,040 lb
Tare Weight 26,700 lb
Net Weight 50,340 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7467
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,340 lb	25.170 tn
			Total Weight		25.170 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver: Jesse Lincoln
Customer
(Signature of consignee)

PRD-600 AAMEYER 04/26/2012 06:46:10

LAFARGE NORTH AMERICA
Lafarge Midwest

4436197-28530588 #1 ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier's transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant: 67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To: 12683402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4436197
Sales Order No. / Shipment No.	41709138 / 28530588
Shipment Date	04/25/12
Customer Requested Delivery Date	04/25/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100017502	14:35 14:46	13	79,960		30,800	49,160	24.580

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,960 *	30,800 *	49,160 *	24.580 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4436957-28536044 #1 ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier's transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant: 67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To: 12683402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4436957
Sales Order No. / Shipment No.	41709138 / 28536044
Shipment Date	04/26/12
Customer Requested Delivery Date	04/25/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100017502	06:45 06:47	13	79,540		30,580	48,960	24.480

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,540 *	30,580 *	48,960 *	24.480 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4437721-23541258 SEE OTHER CONDITIONS ON THE BACK

#3 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

Branch/Plant:
87502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. Load No.	4437721
Sales Order No.	41709136
Shipment No.	28541259
Shipment Date	04/26/12
Customer Requested Delivery Date	04/28/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned	

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100017802	10:30 / 10:30	13	79,520		30,360	49,160	24.580
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,520 *		30,360 *	49,160 *	24.580 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service 1-800-854-4656 S21923301

Bill of Lading: S21923301

Page 1 of 1

Ship To #0001168998

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Shipping Information
Ship Date 04/26/2012 Time In: 7:23
Rq.Div.Date/Time Time Out: 7:29
Customer PO/Dt
Customer Number
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,440 lb 35,678 kg
Tare Weight 25,700 lb 11,657 kg
Net Weight 52,740 lb 23,922 kg

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart 2126/7706

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	52,740 lb	26.370 tn	23.920 to

Total Weight 26.370 tn 23.920 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
IL-DOT Qualified Plant No.544-87 Holcim Skyway, IL Mill

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article 11D on the reverse side hereof for contract agreement. [illegible] Sales and Canadian Sales respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is rail or rail-water shipment, or (2) if the applicable motor carrier classification or tariff if this is a motor carrier shipment and for the Canadian Sales as of the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. T-1, dated February 1, 1956 and in effect on December 31, 1967 as set forth in the Canadian Freight Classification and also available at all railway agency stations and freight offices upon request, when such goods are carried by a rail carrier; or (2) of the bill of lading of the motor carrier as provided in its tariff of rates and regulations when such goods are carried by a motor carrier; or (3) of the bill of lading as provided by the relevant tariffs, classification, manuals and regulations pertaining to motor carriers services when such goods are carried by a motor carrier; or (4) of the bill of lading described by G.C.D.60-79, April 4, 1979, when the said goods originating in Quebec are to be carried by a motor carrier; (5) as approved by the Board of Transport Commissioners for Canada by general order No. T-41, set forth in the Rules for the Carriage of Express and Non-Carried Freight Traffic and also available at all express and railway agency stations and express and freight offices upon request, when said goods are carried by a rail carrier and which are agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for itself and its assigns.

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service 1-800-854-4656 S21923302

Bill of Lading: S21923302

Page 1 of 1

Ship To #0001168998

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Shipping Information
Ship Date 04/26/2012 Time In: 7:35
Rq.Div.Date/Time Time Out: 7:41
Customer PO/Dt
Customer Number
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 77,240 lb 35,035 kg
Tare Weight 25,580 lb 11,602 kg
Net Weight 51,660 lb 23,432 kg

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract# 7/Rec
Vehicle Cont Cart 2138 / [redacted]

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	51,660 lb	25.830 tn	23.430 to

Total Weight 25.830 tn 23.430 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and

[illegible]

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service 1-800-854-4656 S21923305

Bill of Lading: S21923305

Page 1 of 1

Ship To #0001168998

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Shipping Information
Ship Date 04/26/2012 Time In: 8:45
Rq.Div.Date/Time Time Out: 8:57
Customer PO/Dt
Customer Number
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 77,240 lb 35,035 kg
Tare Weight 25,760 lb 11,684 kg
Net Weight 51,480 lb 23,350 kg

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart 2126/7706

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	51,480 lb	25.740 tn	23.350 to

Total Weight 25.740 tn 23.350 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and

[illegible]

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805682122

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/26/2012 — Time In: 15:20
Rq.Div.Date/Time 00:00 — Time Out: 15:31
Customer PO/Dt 2-3529-0086
Order Number/Date 1100103020 / 04/26/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
* Gross Weight 79,580 lb
* Tare Weight 25,880 lb
Net Weight 53,700 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,700 lb	26.850 tn
			Total Weight		26.850 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bogies in lieu of stamp, are a part of Bill of Lading as approved by I.C.C.
* = Manual Weight

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 RWOMMACK 04/26/2012 16:31:18

Holcim ST.LOUIS 111 East Carrie Ave. St. Louis Missouri 63147

7530 Customer Service 1-800-854-4656 — S21923309

Ship To #0001168996

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Bill of Lading: S21923309

Shipping Information — Page 1 of 1
Ship Date 04/26/2012 — Time In: 10:07
Rq.Div.Date/Time — Time Out: 10:15
Customer PO/Dt
Customer Number
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,000 lb 35,380 kg
Tare Weight 25,440 lb 11,539 kg
Net Weight 52,560 lb 23,840 kg

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart 2139/7058

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
0014	GRANCEM 100	6003	7530	52,560 lb	26.280 tn 23.840 to
			Total Weight	26.280 tn	23.840 to

Shipping Instruction
MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
IL-DOT Qualified Manufacturer [illegible]

Loaded By:
Driver
Customer

(Signature of consignor)

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805681575

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/27/2012 — Time In: 05:19
Rq.Div.Date/Time 00:00 — Time Out: 05:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100087721 / 04/27/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 27,820 lb
Net Weight 51,760 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,760 lb	25.880 tn
			Total Weight		25.880 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bogies in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 04/27/2012 06:28:23

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805680094

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 04/26/2012 — Time In: 14:26
Rq.Div.Date/Time 00:00 — Time Out: 14:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100072144 / 04/25/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,260 lb
Tare Weight 26,040 lb
Net Weight 53,220 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn
			Total Weight		26.610 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bogies in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 RWOMMACK 04/26/2012 15:33:51

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

2116 Customer Service
1-800-854-4656

805687419

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 04/27/2012 — Time In: 06:28
Rq.Div.Date/Time 00:00 — Time Out: 05:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100090075 / 04/27/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,100 lb
Net Weight 53,480 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[illegible]

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the descriptions and weights indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-800 AANEYER 04/27/2012 06:33:52

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

2116 Customer Service
1-800-854-4656

805685297

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 04/27/2012 — Time In: 04:42
Rq.Div.Date/Time 00:00 — Time Out: 04:48
Customer PO/Dt 2-3529-0086
Order Number/Date 1100101318 / 04/27/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 25,640 lb
Net Weight 54,000 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,000 lb	27.000 tn
			Total Weight		27.000 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[illegible]

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the descriptions and weights indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-800 AANEYER 04/27/2012 06:48:36

Holcim ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service S21923333
1-800-854-4656

Bill of Lading: S21923333

Ship To #0001168998

Shipping Information — Page 1 of 1
Ship Date 04/27/2012 — Time In: 12:17
Rq.Div.Date/Time — Time Out: 12:23
Customer PO/Dt
Customer Number
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,700 lb 35,697 kg
Tare Weight 28,060 lb 12,727 kg
Net Weight 50,640 lb 22,969 kg

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart (28000)

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
0014	GRANCEM 100	6003	7530	50,640 lb	25.320 tn 22.970 to
			Total Weight		25.320 tn 22.970 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and

[illegible]

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the descriptions and weights indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Loaded By:
Driver TRK 1216 TRL 2385
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Holcim ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service S21923334
1-800-854-4656

Bill of Lading: S21923334

Ship To #0001168998

Shipping Information — Page 1 of 1
Ship Date 04/27/2012 — Time In: 12:27
Rq.Div.Date/Time — Time Out: 12:34
Customer PO/Dt
Customer Number
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Conditions

Scaled Weight (Bulk Only)
Gross Weight 76,160 lb 34,545 kg
Tare Weight 26,700 lb 12,110 kg
Net Weight 49,460 lb 22,434 kg

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Con Cart 1217/7487

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
0014	GRANCEM 100	6003	7530	49,460 lb	24.730 tn 22.430 to
			Total Weight		24.730 tn 22.430 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and

[illegible]

For U.S. Sales, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the descriptions and weights indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service 1-800-854-4656 S21923331

Bill of Lading: S21923331

Ship To #0001168998

Shipping Information Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Ship Date 04/27/2012 Time In: 11:40
Rq.Div.Date/Time Time Out: 11:47
Customer PO/Dt
Customer Number
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	78,160 lb	35,452 kg
Tare Weight	25,400 lb	11,521 kg
Net Weight	52,760 lb	23,931 kg

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart 2142 / 7859

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	52,760 lb	26.380 tn	23.930 to

Total Weight 26.380 tn 23.930 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Site No. 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
IL-DOT Qualified Plant No.544-07 Holcim Skyway, IL Mill

Loaded By:
Driver
Customer

(Signature of consignee)

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805685906

7530 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Ship Date 04/30/2012 Time In: 05:31
Rq.Div.Date/Time 00:00 Time Out: 05:38
Customer PO/Dt 2-3529-0086
Order Number/Date 1100122471 / 04/30/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	82,120 lb
Tare Weight	29,100 lb
Net Weight	53,020 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,020 lb	26.510 tn

Total Weight 26.510 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO 800 TUBERTY 04/30/2012 06:38 66

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805682339

7530 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Ship Date 04/27/2012 Time In: 15:01
Rq.Div.Date/Time 00:00 Time Out: 15:07
Customer PO/Dt 2-3529-0086
Order Number/Date 1100116993 / 04/27/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,860 lb
Tare Weight	25,600 lb
Net Weight	54,260 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7650

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,260 lb	27.130 tn

Total Weight 27.130 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 TUBERTY 04/27/2012 18:09:00

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805681964

7530 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Ship Date 04/27/2012 Time In: 15:53
Rq.Div.Date/Time 00:00 Time Out: 16:00
Customer PO/Dt 2-3529-0086
Order Number/Date 1100117819 / 04/27/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,340 lb
Tare Weight	26,020 lb
Net Weight	53,320 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn

Total Weight 26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 RWOMMACK 04/27/2012 17:00:07

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service S21923330
1-800-854-4666

Bill of Lading: S21923330

Ship To #0001168998

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Shipping Information Page 1 of 1

Ship Date 04/27/2012 Time In: 9:38
Rq.Div.Date/Time Time Out: 9:45
Customer PO/Dt
Customer Number
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	77,800 lb	35,289 kg
Tare Weight	26,000 lb	11,793 kg
Net Weight	51,800 lb	23,496 kg

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 0004001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle Cont Cart 2142 / 7903

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
0014	GRANCEM 100	6003	7530	51,800 lb	25.900 tn 23.500 to

Total Weight 25.900 tn 23.500 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and

[redacted]

For U.S. Sales, If the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the rates quoted and weight indicated on this bill of lading are correct, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the proper tags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

Holcim

KANSAS CITY
1416 WARREN ST.
NORTH KANSAS CITY MO 64116

805686819

2110 Customer Service
1-800-854-4666

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 04/30/2012 Time In: 06:49
Rq.Div.Date/Time 00:00 Time Out: 06:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100006758 / 04/30/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,540 lb
Tare Weight	26,320 lb
Net Weight	53,220 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn

Total Weight 26.610 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[redacted]

For U.S. Sales, If the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the rates quoted and weight indicated on this bill of lading are correct, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the proper tags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers legend in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-900 TUBERTY 04/30/2012 07:55:41

Holcim

KANSAS CITY
1416 WARREN ST.
NORTH KANSAS CITY MO 64116

805681974

2110 Customer Service
1-800-854-4666

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 04/30/2012 Time In: 09:00
Rq.Div.Date/Time 00:00 Time Out: 08:07
Customer PO/Dt 2-3529-0086
Order Number/Date 1100117866 / 04/30/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,960 lb
Tare Weight	25,920 lb
Net Weight	54,040 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,040 lb	27.021 tn

Total Weight 27.021 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[redacted]

For U.S. Sales, If the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the rates quoted and weight indicated on this bill of lading are correct, subject to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement

For U.S. Sales, the proper tags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers legend in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO 900 TUBERTY 04/30/2012 07:07:05

LAFARGE NORTH AMERICA
Lafarge Midwest

4441262-28555506 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Cone grace accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4441262
Sales Order No. / Shipment No.	41709136 / 28555506
Shipment Date	04/27/12
Customer Requested Delivery Date	04/27/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100017502	19:24 19:36	5	80,020		30,660	49,360	24.680

BULK STANDARD	FUEL-B	NO_BELOW	Total US	80,020 *	30,660 *	49,360 *	24.680 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Prepaid

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May causes severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4442061-28567840 SEE OTHER CONDITIONS ON THE BACK

#7 ORIGINAL
8.20

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REDUCIBLE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

Branch/Plant:	Shipped To:
67502	12663402
FREDONIA PLANT	REMEDIAL CONSTRUCTION SERVICES LP
1400 S CEMENT RD	1835 N TOPEKA ST
FREDONIA KS 66736	EL DORADO KS 67042
(620) 378-4458	()

BOL No. / Load No.	4442061
Sales Order No.	41709138
Shipment No.	28567840
Shipment Date	04/30/12
Customer Requested Delivery Date	04/27/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total LB
TYPE I/II - LOW ALKALI	6L100017502	06:34 06:44	6	79,680		26,860	52,820	26,410

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,680 *	26,860 *	52,820 *	26,410 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE -	311816	1523CNAW	512CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(MH) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid

Shipper Signature / Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America

CTS - 00822836

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REDUCIBLE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant: 67502 Fredonia, Ks.

Shipped To: ~~[illegible]~~ Remediation Services ~~Dolan City~~ El Dorado KS

Page

BOL No. / Load No.	M910253
Sales Order No.	
Shipment No.	
Shipment Date	4-30-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	Type 1-2		5					

	Total US	79920	29920	50000	25.00
	Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311816	1604CNAW	387CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

CERMARSHAL MVS

Shipper Signature/Date

Driver Signature/Date

Customer Signature/Date

M910253

CUSTOMER

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805688279

Bill of Lading:

Ship To:#1168898

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 05/01/2012 Time In: 05:49
Rq.Div.Date/Time 00:00 Time Out: 05:55
Customer PO/Dt 2-3529-0088
Order Number/Date 1100120776 / 05/01/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Loaded Weight (Bulk Only)
Gross Weight 79,900 lb
Tare Weight 25,900 lb
Net Weight 54,000 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,000 lb	27.000 tn
			Total Weight		27.000 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspire in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:

Driver

Customer

(Signature of consignee)

PRD-800 TUSERTY 05/01/2012 08:55:53

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805681287

Bill of Lading:

Ship To:#1168898

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/30/2012 Time In: 14:41
Rq.Div.Date/Time 00:00 Time Out: 14:47
Customer PO/Dt 2-3529-0088
Order Number/Date 1100092913 / 04/30/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Loaded Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 26,500 lb
Net Weight 53,320 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn
			Total Weight		26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspire in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:

Driver B. Gold

Customer

(Signature of consignee)

PRD 800 TUSERTY 04/30/2012 18:47:47

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805686827

Customer Service 1-800-854-4656

Bill of Lading:

Ship To: [redacted]

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 04/30/2012 Time In: 13:46
Rq.Div.Date/Time 00:00 Time Out: 13:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100006780 / 04/30/2012
Customer Number 34546
Reference

Conditions: Rated Weight (Bulk Only)
Gross Weight 82,000 lb
Tare Weight 28,080 lb
Net Weight 53,920 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,920 lb	26.960 tn

Total Weight 26.960 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[redacted]

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-900 TUBERTY 04/30/2012 14:53:28

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805679595

Customer Service 1-800-854-4656

Bill of Lading:

Ship To: [redacted]

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 04/30/2012 Time In: 14:33
Rq.Div.Date/Time 00:00 Time Out: 14:39
Customer PO/Dt 2-3529-0086
Order Number/Date 1100121938 / 04/30/2012
Customer Number 34546
Reference

Conditions: Rated Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,980 lb
Net Weight 52,600 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,600 lb	26.300 tn

Total Weight 26.300 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[redacted]

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO 900 TUBERTY 04/30/2012 15:39:04

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805686829

Customer Service 1-800-854-4656

Bill of Lading:

Ship To: [redacted]

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 04/30/2012 Time In: 14:06
Rq.Div.Date/Time 00:00 Time Out: 14:10
Customer PO/Dt 2-3529-0086
Order Number/Date 1100006782 / 04/30/2012
Customer Number 34546
Reference

Conditions: Rated Weight (Bulk Only)
Gross Weight 76,720 lb
Tare Weight 26,700 lb
Net Weight 50,020 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7487
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,020 lb	25.010 tn

Total Weight 25.010 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[redacted]

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-900 TUBERTY 04/30/2012 15:10:27

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805681279

Customer Service 1-800-854-4656

Bill of Lading:

Ship To: [redacted]

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 04/30/2012 Time In: 11:16
Rq.Div.Date/Time 00:00 Time Out: 11:22
Customer PO/Dt 2-3529-0086
Order Number/Date 1100092900 / 04/30/2012
Customer Number 34546
Reference

Conditions: Rated Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 25,840 lb
Net Weight 53,760 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,760 lb	26.881 tn

Total Weight 26.881 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

[redacted]

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-900 TUBERTY 04/30/2012 13:32:18

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-664-4656

805685717

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/30/2012 Time In: 14:23
Rq.Div.Date/Time 00:00 Time Out: 14:30
Customer PO/Dt 2-3529-0086
Order Number/Date 1100118820 / 04/30/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 25,900 lb
Net Weight 53,600 lb

Carrier/Vehicle Details
Carrier Code 4001935
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,600 lb	26.800 tn
			Total Weight		26.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper legible in lieu of stamp, and a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 04/30/2012 15:30:12

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-664-4656

805686828

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 04/30/2012 Time In: 13:57
Rq.Div.Date/Time 00:00 Time Out: 14:03
Customer PO/Dt 2-3529-0086
Order Number/Date 1100006781 / 04/30/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,960 lb
Tare Weight 28,200 lb
Net Weight 50,760 lb

Carrier/Vehicle Details
Carrier Code 4001935
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,760 lb	25.380 tn
			Total Weight		25.380 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper legible in lieu of stamp, and a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 04/30/2012 15:03:30

LAFARGE NORTH AMERICA
Lafarge Midwest

4443806-28579744 SEE OTHER CONDITIONS ON THE BACK

#1 ORIGINAL 8/10

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporta of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper:

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66738
(620) 378-4458

Shipped To:
12863402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4443806
Sales Order No.	41709136
Shipment No.	28579744
Shipment Date	04/30/12
Customer Requested Delivery Date	04/30/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE III - LOW ALKALI	6L100017502	17.01 17:01	5	80,160		30,520	49,640	24.820
BULK STANDARD	FUEL-B	NO_BELOW	Total US	80,160 *		30,520 *	49,640 *	24.820 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (M-H) cement in accordance with the requirements of AASHTO. HEREBY CERTIFIES THAT THE SHIPMENT OF TYPE I and TYPE II(M-H) PORTLAND CEMENT SHIP AND MANUFACTURED UNDER THE QUALITY CONTROL AGREEMENT WITH THE OK. DEP. OF TRANSPORTATION AND ALL TEST RESULTS WERE IN COMP. WITH

Prepaid

Shipper Signature/Date

Driver Signature/Date

Customer Signature/Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America

#3

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: 67502

Page

Branch/Plant: LAFarge Fredonia KS

Shipped To: Remediation Services El Dorado KS

BOL No. / Load No.	M910256
Sales Order No.	
Shipment No.	
Shipment Date	5/1/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	TYPE I III			79980		30840	49140	24.57
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS		842 CNAW	807 CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date

Driver Signature/Date

Customer Signature/Date

M910256

CUSTOMER

LAFARGE NORTH AMERICA

Lafarge North America

#2
1.06

Signature of Shipper: _____

Page

Branch/Plant: 67502 Fredonia, Ks.

Shipped To: Remedial Const. Eldorado, Ks.

BOL No.	M910255
Load No.	
Sales Order No.	
Shipment No.	
Shipment Date	5-1-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned	

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	Type 1/2		10					
	Sugar Creek							
			Total US	78580	25500	50080		25.04
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311816	1509 CNAW	987 CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date: Willard Hundley

Driver Signature/Date

Customer Signature/Date

OPERATOR

M910255

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805093504

Customer Service 1-800-654-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 06/01/2012 Time In: 14:53
Rq.Div.Date/Time 00:00 Time Out: 15:01
Customer PO/Dt 2-3529-0086
Order Number/Date 1100133617 / 06/01/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1833 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scales Weight (Bulk Only)
Gross Weight 82,020 lb
Tare Weight 27,880 lb
Net Weight 54,140 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,140 lb	27.070 tn
			Total Weight		27.070 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TLBSRTY 06/01/2012 15:01:38

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805680654

Customer Service 1-800-654-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 06/01/2012 Time In: 14:11
Rq.Div.Date/Time 00:00 Time Out: 14:18
Customer PO/Dt 2-3529-0086
Order Number/Date 1100013105 / 05/01/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1833 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scales Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 26,380 lb
Net Weight 53,360 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,360 lb	26.680 tn
			Total Weight		26.680 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TLBSRTY 06/01/2012 15:18:07

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805688287

Customer Service 1-800-654-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 06/01/2012 Time In: 15:49
Rq.Div.Date/Time 00:00 Time Out: 15:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100120785 / 05/01/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1833 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scales Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 26,040 lb
Net Weight 53,780 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,780 lb	26.890 tn
			Total Weight		26.890 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TLBSRTY 06/01/2012 15:55:53

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805694082

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 04:58
Rq.Div.Date/Time 00:00 — Time Out: 08:03
Customer PO/Dt 2-3529-0088
Order Number/Date 1100167465 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,900 lb
Tare Weight 26,460 lb
Net Weight 53,440 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn
			Total Weight		26.720 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 AAMEYER 06/07/2012 06:07:21

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805690936

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 03:56
Rq.Div.Date/Time 00:00 — Time Out: 04:01
Customer PO/Dt 2-3529-0088
Order Number/Date 1100158976 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 25,780 lb
Net Weight 53,800 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,800 lb	26.900 tn
			Total Weight		26.900 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers Imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 AAMEYER 06/07/2012 06:01:06

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805681363

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 05:11
Rq.Div.Date/Time 00:00 — Time Out: 05:17
Customer PO/Dt 2-3529-0088
Order Number/Date 1100147279 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,120 lb
Tare Weight 24,900 lb
Net Weight 54,220 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,220 lb	27.110 tn
			Total Weight		27.110 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 TIBERTY 06/07/2012 06:17:44

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805691891

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 04:26
Rq.Div.Date/Time 00:00 — Time Out: 04:32
Customer PO/Dt 2-3529-0088
Order Number/Date 1100162379 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,720 lb
Tare Weight 26,200 lb
Net Weight 53,520 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers Imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 AAMEYER 06/07/2012 06:32:10

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805690935

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/07/2012 — Time In: 03:27
Rq.Div.Date/Time 00:00 — Time Out: 03:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100158976 / 05/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 26,060 lb
Net Weight 53,460 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,460 lb	26.729 tn

Total Weight 26.729 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-800 AAMEYER 05/07/2012 04:33:07

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805681364

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/07/2012 — Time In: 05:18
Rq.Div.Date/Time 00:00 — Time Out: 05:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100147250 / 05/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,120 lb
Tare Weight 26,020 lb
Net Weight 53,100 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,100 lb	26.550 tn

Total Weight 26.550 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-800 TUSERTY 05/07/2012 06:25:56

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805691893

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/07/2012 — Time In: 05:54
Rq.Div.Date/Time 00:00 — Time Out: 06:00
Customer PO/Dt 2-3529-0086
Order Number/Date 1100162382 / 05/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,060 lb
Tare Weight 26,760 lb
Net Weight 52,300 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7467

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,300 lb	26.150 tn

Total Weight 26.150 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-800 TUSERTY 05/07/2012 07:00:54

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805694081

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/07/2012 — Time In: 04:34
Rq.Div.Date/Time 00:00 — Time Out: 04:39
Customer PO/Dt 2-3529-0086
Order Number/Date 1100197464 / 05/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 27,140 lb
Net Weight 52,560 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7685

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,560 lb	26.280 tn

Total Weight 26.280 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-800 AAMEYER 05/07/2012 06:39:02

LAFARGE NORTH AMERICA
Lafarge Midwest

ORIGINAL #3

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant: 67502 FREDONIA PLANT, 1400 S CEMENT RD, FREDONIA KS 66736, (620) 378-4458

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, ()

BOL No. / Load No.	4455605 / 311816
Sales Order No.	41933876
Shipment No.	28641056
Shipment Date	05/07/12
Customer Requested Delivery Date	05/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	14:41 16:02	SILO 3	80,060		28,360	51,700	25.850
BULK STANDARD FUEL-B NO_BELOW	Total US			80,060 *		28,360 *	51,700 *	25.850 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1602CNAW	513CNAW	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

ORIGINAL #2

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant: 67502 FREDONIA PLANT, 1400 S CEMENT RD, FREDONIA KS 66736, (620) 378-4458

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, ()

BOL No. / Load No.	4455117
Sales Order No.	41933876
Shipment No.	28639998
Shipment Date	05/07/12
Customer Requested Delivery Date	05/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	12:13 12:17	SILO 3	80,180		27,080	53,100	26.550
BULK STANDARD FUEL-B NO_BELOW	Total US			80,180 *		27,080 *	53,100 *	26.550 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1519CNAW	198CNAW	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

ORIGINAL #1

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant: 67502 FREDONIA PLANT, 1400 S CEMENT RD, FREDONIA KS 66736, (620) 378-4458

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, ()

BOL No. / Load No.	4454879
Sales Order No.	41933876
Shipment No.	28612997
Shipment Date	05/07/12
Customer Requested Delivery Date	05/03/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

311816

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	10:52 10:56	SILO 3	79,940		29,680	50,260	25.130
BULK STANDARD FUEL-B NO_BELOW	Total US			79,940 *		29,680 *	50,260 *	25.130 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	768CNAW	380CNAW	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805013890

Customer Service
1-800-654-4650

Bill of Lading:

Ship To: 11169996

Shipping Information — Page 1 of 1
Ship Date — Time In: 11:46
Rq.Dlv.Date/Time 0:00 — Time Out: 11:51
Customer PO/C 2-3521-0086
Order Number/Date 110002 7254 / 05/07/2012
Customer Number 34546
References

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,420 lb
Tare Weight 25,980 lb
Net Weight 53,440 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn
			Total Weight		26.720 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka...
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier means any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, else to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law governing shall be the Carriage of Goods by Sea Act of the United States. If such shipment is not so moved, then to the extent that it does not conflict with or modify any provision of this Bill of Lading subject to the Interstate Commerce Act, the terms and conditions of the uniform domestic bill of lading in effect on the date of the issuance of this Bill of Lading shall apply to the transportation of such shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for himself and his assigns.

For U.S. Rates, the rates and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier means any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, else to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are agreed to by the shipper and accepted for himself and his assigns. Holcim (US) Inc. shall not be responsible for any loss, damage or delay caused by the acts of God, or the public enemy, or the act of the shipper, or the act of the consignee, or the act of any other person or corporation in possession of the property, or any part thereof, or any cause beyond its control, or any cause which, by the exercise of ordinary care, could not be prevented by the carrier, or any of the foregoing, or any of the consequences of any of the foregoing, or any of the consequences of any of the foregoing, or any of the consequences of

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805013898

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/07/2012 — Time In: 13:31
Rq.Div.Date/Time 00:00 — Time Out: 13:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100027262 / 05/07/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,440 lb
Tare Weight 26,120 lb
Net Weight 53,320 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn

Total Weight 26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUSERTY 05/07/2012 14:37:14

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805013891

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/07/2012 — Time In: 11:53
Rq.Div.Date/Time 00:00 — Time Out: 11:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100027255 / 05/07/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 25,700 lb
Net Weight 54,040 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,040 lb	27.021 tn

Total Weight 27.021 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUSERTY 05/07/2012 12:58:56

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805694678

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/08/2012 — Time In: 04:45
Rq.Div.Date/Time 00:00 — Time Out: 04:49
Customer PO/Dt 2-3529-0086
Order Number/Date 1100182047 / 05/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 26,840 lb
Net Weight 52,760 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,760 lb	26.380 tn

Total Weight 26.380 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 05/08/2012 09:49:47

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805013896

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/07/2012 — Time In: 13:16
Rq.Div.Date/Time 00:00 — Time Out: 13:21
Customer PO/Dt 2-3529-0086
Order Number/Date 1100027260 / 05/07/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 82,120 lb
Tare Weight 28,220 lb
Net Weight 53,900 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUSERTY 05/07/2012 14:21:59

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805689362

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 06/08/2012 — Time In: 05:03
Rq.Dlv.Date/Time 00:00 — Time Out: 06:10
Customer PO/Dt 2-3529-0086
Order Number/Date 1100185074 / 06/08/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,980 lb
Tare Weight 25,860 lb
Net Weight 54,120 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,120 lb	27.060 tn

Total Weight 27.060 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C.
Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 AAMEYER 06/08/2012 06:10:48

805013903

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 14:24
Rq.Dlv.Date/Time 00:00 — Time Out: 14:28
Customer PO/Dt 2-3529-0086
Order Number/Date 1100027267 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,480 lb
Tare Weight 26,560 lb
Net Weight 51,920 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7467
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,920 lb	25.960 tn

Total Weight 25.960 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C.
Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 TLIBERTY 06/07/2012 15:28:58

805694679

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 06/08/2012 — Time In: 04:52
Rq.Dlv.Date/Time 00:00 — Time Out: 04:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100182048 / 06/08/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 25,940 lb
Net Weight 53,860 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,860 lb	26.930 tn

Total Weight 26.930 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C.
Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 AAMEYER 06/08/2012 06:58:18

805013899

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 13:39
Rq.Dlv.Date/Time 00:00 — Time Out: 13:45
Customer PO/Dt 2-3529-0086
Order Number/Date 1100027263 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 27,120 lb
Net Weight 52,460 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7567
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,460 lb	26.230 tn

Total Weight 26.230 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C.
Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 TLIBERTY 06/07/2012 14:45:32

LAFARGE NORTH AMERICA
Lafarge Midwest

4455809-28646330 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #1

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4455809
Sales Order No.	41933876
Shipment No.	28646330
Shipment Date	05/07/12
Customer Requested Delivery Date	05/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	17:21 17:22	SILO 3	79,840		30,000	49,840	24.920

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,840 *	30,000 *	49,840 *	24.920 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4456207-28646425 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #2

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4456207
Sales Order No.	41933876
Shipment No.	28646425
Shipment Date	05/08/12
Customer Requested Delivery Date	05/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	05:46 05:46	SILO 3	79,660		26,920	52,740	26.370

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,660 *	26,920 *	52,740 *	26.370 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1523CNAW	512CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

LAFARGE NORTH AMERICA
Lafarge Midwest

4457190-28646944 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #3

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4457190
Sales Order No.	41933876
Shipment No.	28646944
Shipment Date	05/08/12
Customer Requested Delivery Date	05/08/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	10:50 10:55	SILO 3	79,540		29,820	49,720	24.860

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,540 *	29,820 *	49,720 *	24.860 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805691947

Customer Service
1-800-884-4656

Ship To #1168896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/09/2012 Time In: 05:50
Rq.Div.Date/Time 00:00 Time Out: 09:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100163689 / 05/09/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scales Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 25,660 lb
Net Weight 54,020 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract #
Vehicle 7899
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,020 lb	27.009 tn
			Total Weight		27.009 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-300 TUESDAY 05/09/2012 08:59:48

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805695134

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 06/08/2012 — Time In: 14:13
Rq.Div.Date/Time 00:00 — Time Out: 14:31
Customer PO/Dt 2-3529-0086
Order Number/Date 1100181334 / 05/08/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 25,840 lb
Net Weight 53,980 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,980 lb	26.990 tn
			Total Weight		26.990 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 RWOMMACK 06/08/2012 16:21:13

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805699016

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 06/09/2012 — Time In: 08:37
Rq.Div.Date/Time 00:00 — Time Out: 08:43
Customer PO/Dt 2-3529-0086
Order Number/Date 1100147326 / 06/09/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,440 lb
Tare Weight 25,960 lb
Net Weight 53,480 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 TUBERTY 06/09/2012 07:43:02

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805699813

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 06/09/2012 — Time In: 05:15
Rq.Div.Date/Time 00:00 — Time Out: 05:20
Customer PO/Dt 2-3529-0086
Order Number/Date 1100188246 / 06/09/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,420 lb
Net Weight 53,240 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,240 lb	26.620 tn
			Total Weight		26.620 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 AAMEYER 06/09/2012 06:20:40

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805699810

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 06/09/2012 — Time In: 05:04
Rq.Div.Date/Time 00:00 — Time Out: 05:10
Customer PO/Dt 2-3529-0086
Order Number/Date 1100188241 / 06/09/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 82,120 lb
Tare Weight 28,040 lb
Net Weight 54,080 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn
			Total Weight		27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRD-800 AAMEYER 06/09/2012 06:10:41

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805699404

5210 Customer Service
1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/08/2012 — Time In: 16:06
Rq.Div.Date/Time 00:00 — Time Out: 16:16
Customer PO/Dt 2-3529-0086
Order Number/Date 1100129930 / 05/08/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 25,680 lb
Net Weight 54,060 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7560

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,060 lb	27.030 tn
			Total Weight		27.030 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 RWOMMACK 05/08/2012 17:16:37

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805697860

5210 Customer Service
1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/09/2012 — Time In: 04:56
Rq.Div.Date/Time 00:00 — Time Out: 05:01
Customer PO/Dt 2-3529-0086
Order Number/Date 1100184917 / 05/09/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,060 lb
Tare Weight 24,980 lb
Net Weight 54,080 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn
			Total Weight		27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/09/2012 08:01:50

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805699817

5210 Customer Service
1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/09/2012 — Time In: 05:34
Rq.Div.Date/Time 00:00 — Time Out: 05:39
Customer PO/Dt 2-3529-0086
Order Number/Date 1100188250 / 05/09/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,520 lb
Tare Weight 26,500 lb
Net Weight 52,020 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7487

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,020 lb	26.010 tn
			Total Weight		26.010 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/09/2012 05:39:36

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805695745

5210 Customer Service
1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/09/2012 — Time In: 04:49
Rq.Div.Date/Time 00:00 — Time Out: 04:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100189818 / 05/09/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 26,720 lb
Net Weight 52,880 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,880 lb	26.440 tn
			Total Weight		26.440 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/09/2012 05:53:49

LAFARGE NORTH AMERICA
Lafarge Midwest

4458087-28652638 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

#1

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4458087
Sales Order No.	41933876
Shipment No.	28652638
Shipment Date	05/08/12
Customer Requested Delivery Date	05/08/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502 FREDONIA PLANT, 1400 S CEMENT RD, FREDONIA KS 66736, (620) 378-4458

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, 0

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	16:14 16:18	SILO 3	79,680		30,300	49,380	24.690
BULK STANDARD FUEL-B NO_BELOW	Total US			79,680 *		30,300 *	49,380 *	24.690 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4458579-28658919 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

#2 8:21

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4458579
Sales Order No.	41933876
Shipment No.	28658919
Shipment Date	05/09/12
Customer Requested Delivery Date	05/09/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502 FREDONIA PLANT, 1400 S CEMENT RD, FREDONIA KS 66736, (620) 378-4458

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, 0

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	06:03 06:06	SILO 3	79,620		26,680	52,940	26.470
BULK STANDARD FUEL-B NO_BELOW	Total US			79,620 *		26,680 *	52,940 *	26.470 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1513CNAW	514CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4458563-28662346 SEE OTHER CONDITIONS ON THE BACK

#3

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4459563
Sales Order No.	41933876
Shipment No.	28662246
Shipment Date	05/09/12
Customer Requested Delivery Date	05/09/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502 FREDONIA PLANT, 1400 S CEMENT RD, FREDONIA KS 66736, (620) 378-4458

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, 0

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	10:47 10:48	SILO 3	79,620		30,960	48,660	24.280
BULK STANDARD FUEL-B NO_BELOW	Total US			79,620 *		30,960 *	48,660 *	24.280 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805695289

Customer Service
1-800-654-4656

SHP TO: 1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information: Page 1 of 1
Ship Date 06/09/2012 Time In: 14:11
Rq.Div.Date/Time 00:00 Time Out: 14:18
Customer PO/Dt 2-3629-0066
Order Number/Date 1100192665 / 06/09/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,700 lb
Net Weight 52,960 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000066

Shipping Details

Material	Description	Silo	Veh. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,960 lb	26.480 tn
			Total Weight		26.480 tn

ENVIROCORE

Shipping Instruction 1:
This ground granulated blast slag meets the requirements: Ke..
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this B/L of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including those on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the declaration that weight indicated on this bill of lading has correct, subjected of verification by the individual or company issued or accepted bill of lading, whichever is applicable according to contract.

For U.S. Rates, the proper basis upon for this shipment conform to the specifications and rules as set forth in the governing Rail and Motor classifications.

Shippers imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:

Driver

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignee, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Customer

PRO-800 TUSERTY 06/08/2012 15:18:25

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Bill of Lading: 805691969

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 06/09/2012 Time In: 13:41
Rq.Div.Date/Time 00:00 Time Out: 13:48
Customer PO/Dt 2-3529-0086
Order Number/Date 1100183718 / 06/09/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,360 lb
Tare Weight 26,860 lb
Net Weight 52,500 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7686
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,500 lb	26.250 tn

Total Weight 26.250 tn

ENVIROCORE

Shipping Instructions:
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 TUBERTY 06/09/2012 14 46:10

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Bill of Lading: 805695292

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 06/10/2012 Time In: 05:11
Rq.Div.Date/Time 00:00 Time Out: 05:16
Customer PO/Dt 2-3529-0086
Order Number/Date 1100192717 / 06/10/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,900 lb
Tare Weight 26,440 lb
Net Weight 53,460 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,460 lb	26.729 tn

Total Weight 26.729 tn

ENVIROCORE

Shipping Instructions:
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 AAMEYER 06/10/2012 08:16:58

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Bill of Lading: 805701426

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 06/10/2012 Time In: 06:17
Rq.Div.Date/Time 00:00 Time Out: 06:22
Customer PO/Dt 2-3529-0086
Order Number/Date 1100196076 / 06/10/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,080 lb
Tare Weight 28,460 lb
Net Weight 53,620 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	~~6001~~ 6002		53,620 lb	26.810 tn

Total Weight 26.810 tn

ENVIROCORE

Shipping Instructions:
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 TUBERTY 06/10/2012 07:22:47

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Bill of Lading: 805691968

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 06/09/2012 Time In: 13:33
Rq.Div.Date/Time 00:00 Time Out: 13:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100183717 / 06/09/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,620 lb
Tare Weight 26,840 lb
Net Weight 51,780 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7487
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,780 lb	25.890 tn

Total Weight 25.890 tn

ENVIROCORE

Shipping Instructions:
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 TUBERTY 06/09/2012 14 37:36

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-884-4656

805700610

Bill of Lading:

Ship To: 1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 05/09/2012 Time In: 12:24
Rq.Div.Date/Time 00:00 Time Out: 12:29
Customer PO/Dt 2-3529-0086
Order Number/Date 1100185128 / 05/09/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 25,900 lb
Net Weight 53,740 lb

Carrier/Vehicle Details:
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details:

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,740 lb	26.869 tn
			Total Weight		26.869 tn

ENVIROCORE

Shipping Instruction:
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 AAMEYER 05/09/2012 13:29:47

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-884-4656

805694264

Bill of Lading:

Ship To: 1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 05/09/2012 Time In: 16:10
Rq.Div.Date/Time 00:00 Time Out: 16:17
Customer PO/Dt 2-3529-0086
Order Number/Date 1100165460 / 05/09/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 25,660 lb
Net Weight 54,000 lb

Carrier/Vehicle Details:
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details:

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6001		54,000 lb	27.000 tn
			Total Weight		27.000 tn

ENVIROCORE

Shipping Instruction:
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 RWOMMACK 05/09/2012 16:17:06

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-884-4656

805695288

Bill of Lading:

Ship To: 1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 05/09/2012 Time In: 14:03
Rq.Div.Date/Time 00:00 Time Out: 14:09
Customer PO/Dt 2-3529-0086
Order Number/Date 1100192664 / 05/09/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 26,160 lb
Net Weight 53,400 lb

Carrier/Vehicle Details:
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details:

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,400 lb	26.700 tn
			Total Weight		26.700 tn

ENVIROCORE

Shipping Instruction:
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 TUBATY 05/09/2012 19:09:48

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-884-4656

805699875

Bill of Lading:

Ship To: 1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information: Page 1 of 1
Ship Date 05/10/2012 Time In: 04:52
Rq.Div.Date/Time 00:00 Time Out: 05:06
Customer PO/Dt 2-3529-0086
Order Number/Date 1100188325 / 05/10/2012
Customer Number 34546
Reference

Conditions:
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 25,500 lb
Net Weight 54,040 lb

Carrier/Vehicle Details:
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details:

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,040 lb	27.021 tn
			Total Weight		27.021 tn

ENVIROCORE

Shipping Instruction:
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 AAMEYER 05/10/2012 06:06:11

LAFARGE NORTH AMERICA
Lafarge Midwest

4461519-25672014 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REDOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 Of 1

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4461519
Sales Order No.	41933876
Shipment No.	28672014
Shipment Date	05/10/12
Customer Requested Delivery Date	05/09/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	08:27	08:33	SILO 3	78,900	28,800	50,100	25.050
BULK STANDARD	FUEL-B	NO_BELOW	Total US		78,900 *	28,800 *	50,100 *	25.050 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1509CNAW	987CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4462089-25677532 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REDOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 Of 1

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4462089
Sales Order No.	41933876
Shipment No.	28677532
Shipment Date	05/10/12
Customer Requested Delivery Date	05/10/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	10:53	10:59	SILO 3	79,640	30,280	49,360	24.680
BULK STANDARD	FUEL-B	NO_BELOW	Total US		79,640 *	30,280 *	49,360 *	24.680 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4460428-25645718 SEE OTHER CONDITIONS ON THE BACK

#1 7:30

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REDOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 Of 1

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
0

BOL No. / Load No.	4460428
Sales Order No.	41933876
Shipment No.	28665718
Shipment Date	05/09/12
Customer Requested Delivery Date	05/09/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	15:28	15:32	SILO 3	79,620	29,920	49,700	24.850
BULK STANDARD	FUEL-B	NO_BELOW	Total US		79,620 *	29,920 *	49,700 *	24.850 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim
KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805698257

SIG
Customer Service
1-800-854-4868

Ship To: 1188898

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information Page: 1 of 1
Ship Date 05/10/2012 Time In: 16:27
P .Div.Date/Time 00:00 Time Out: 16:35
Customer PO# 2-3529-0086
Order Number/Date 1100174104 / 05/10/2012
Customer Number 34546
Reference

Conditions:

Delivery FP
Route

Scaled Weight (bulk Only)
Gross Weight 79,580 lb
Tare Weight 27,080 lb
Net Weight 52,500 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,500 lb	26.250 tn

Total Weight 26.250 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke, Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60017/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 RYOMMACK 05/10/2012 16:35:09

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805696480

Shipping Information — Page 1 of 1
Ship Date 05/11/2012 — Time In: 04:56
Rq.Div.Date/Time 00:00 — Time Out: 05:00
Customer PO/Dt 2-3529-0088
Order Number/Date 1100206876 / 05/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,640 lb
Net Weight 52,860 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,860 lb	26.430 tn

Total Weight 26.430 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TUDERTY 05/11/2012 05:00:24

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805698256

Shipping Information — Page 1 of 1
Ship Date 05/10/2012 — Time In: 14:41
Rq.Div.Date/Time 00:00 — Time Out: 14:53
Customer PO/Dt 2-3529-0088
Order Number/Date 1100174103 / 05/10/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 25,860 lb
Net Weight 53,940 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,940 lb	26.970 tn

Total Weight 26.970 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 RWOMMACK 05/10/2012 15:53:31

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805701614

Shipping Information — Page 1 of 1
Ship Date 05/11/2012 — Time In: 04:10
Rq.Div.Date/Time 00:00 — Time Out: 04:15
Customer PO/Dt 2-3529-0088
Order Number/Date 1100196481 / 05/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,420 lb
Net Weight 53,220 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn

Total Weight 26.610 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 05/11/2012 05:15:51

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805698422

Shipping Information — Page 1 of 1
Ship Date 05/10/2012 — Time In: 12:57
Rq.Div.Date/Time 00:00 — Time Out: 13:02
Customer PO/Dt 2-3529-0088
Order Number/Date 1100034338 / 05/10/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 76,700 lb
Tare Weight 26,600 lb
Net Weight 50,100 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7467

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	50,100 lb	25.050 tn

Total Weight 25.050 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TUDERTY 05/10/2012 14:03:15

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805696696

2210 Customer Service 1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/11/2012 — Time In: 04:25
Rq.Div.Date/Time 00:00 — Time Out: 04:32
Customer PO/Dt 2-3529-0086
Order Number/Date 1100207220 / 05/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 25,360 lb
Net Weight 54,160 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,160 lb	27.080 tn

Total Weight 27.080 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any portion of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor freight shipment, and for all Canadian traffic to the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. 13, dated February 1, 1938 and in effect on December 31, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date; and (2) the terms and conditions of a uniform bill of lading approved by the Board of Transport Commissioners for Canada by general order No. 14, dated February 1, 1938 and in effect on November 1, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date, or to such other terms and conditions of a uniform bill of lading, as may be approved from time to time by the Board of Transport Commissioners for Canada, by general order No. 14, or any other general order or orders, rules or regulations of the Board of Transport Commissioners for Canada applicable to the transportation of freight subject to the jurisdiction of the Board of Transport Commissioners for Canada and which are in force on the date of issue of this Bill of Lading, or reissued, amended or supplemented at the time of shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the weight shall be the weight shown on the railroad freight bill. If the shipment moves by truck, unless a specific agreement to the contrary is in effect between the carrier and the shipper, the weight shall be the weight shown on the bill of lading.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-900 AAMEYER 05/11/2012 08:32:16

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805701615

2210 Customer Service 1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/11/2012 — Time In: 04:17
Rq.Div.Date/Time 00:00 — Time Out: 04:23
Customer PO/Dt 2-3529-0086
Order Number/Date 1100196482 / 05/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,080 lb
Net Weight 53,580 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,580 lb	26.790 tn

Total Weight 26.790 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any portion of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor freight shipment, and for all Canadian traffic to the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. 13, dated February 1, 1938 and in effect on December 31, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date; and (2) the terms and conditions of a uniform bill of lading approved by the Board of Transport Commissioners for Canada by general order No. 14, dated February 1, 1938 and in effect on November 1, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date, or to such other terms and conditions of a uniform bill of lading, as may be approved from time to time by the Board of Transport Commissioners for Canada, by general order No. 14, or any other general order or orders, rules or regulations of the Board of Transport Commissioners for Canada applicable to the transportation of freight subject to the jurisdiction of the Board of Transport Commissioners for Canada and which are in force on the date of issue of this Bill of Lading, or reissued, amended or supplemented at the time of shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the weight shall be the weight shown on the railroad freight bill. If the shipment moves by truck, unless a specific agreement to the contrary is in effect between the carrier and the shipper, the weight shall be the weight shown on the bill of lading.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-900 AAMEYER 05/11/2012 08:23:06

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805693962

2210 Customer Service 1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/11/2012 — Time In: 04:04
Rq.Div.Date/Time 00:00 — Time Out: 04:08
Customer PO/Dt 2-3529-0086
Order Number/Date 1100196849 / 05/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 25,780 lb
Net Weight 53,760 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,760 lb	26.881 tn

Total Weight 26.881 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any portion of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor freight shipment, and for all Canadian traffic to the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. 13, dated February 1, 1938 and in effect on December 31, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date; and (2) the terms and conditions of a uniform bill of lading approved by the Board of Transport Commissioners for Canada by general order No. 14, dated February 1, 1938 and in effect on November 1, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date, or to such other terms and conditions of a uniform bill of lading, as may be approved from time to time by the Board of Transport Commissioners for Canada, by general order No. 14, or any other general order or orders, rules or regulations of the Board of Transport Commissioners for Canada applicable to the transportation of freight subject to the jurisdiction of the Board of Transport Commissioners for Canada and which are in force on the date of issue of this Bill of Lading, or reissued, amended or supplemented at the time of shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the weight shall be the weight shown on the railroad freight bill. If the shipment moves by truck, unless a specific agreement to the contrary is in effect between the carrier and the shipper, the weight shall be the weight shown on the bill of lading.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-900 AAMEYER 05/11/2012 08:08:48

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805696539

2210 Customer Service 1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/14/2012 — Time In: 04:16
Rq.Div.Date/Time 00:00 — Time Out: 04:21
Customer PO/Dt 2-3529-0088
Order Number/Date 1100206896 / 05/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 26,140 lb
Net Weight 53,460 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,460 lb	26.729 tn

Total Weight 26.729 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above which said carrier agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any portion of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor freight shipment, and for all Canadian traffic to the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. 13, dated February 1, 1938 and in effect on December 31, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date; and (2) the terms and conditions of a uniform bill of lading approved by the Board of Transport Commissioners for Canada by general order No. 14, dated February 1, 1938 and in effect on November 1, 1938 and set forth in the Canadian Freight Classification and other publications in effect on such date, or to such other terms and conditions of a uniform bill of lading, as may be approved from time to time by the Board of Transport Commissioners for Canada, by general order No. 14, or any other general order or orders, rules or regulations of the Board of Transport Commissioners for Canada applicable to the transportation of freight subject to the jurisdiction of the Board of Transport Commissioners for Canada and which are in force on the date of issue of this Bill of Lading, or reissued, amended or supplemented at the time of shipment, and the said terms and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the weight shall be the weight shown on the railroad freight bill. If the shipment moves by truck, unless a specific agreement to the contrary is in effect between the carrier and the shipper, the weight shall be the weight shown on the bill of lading.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRO-900 AAMEYER 05/14/2012 08:21:31

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805696538

Ship To #1168998

Shipping Information Page 1 of 1
Ship Date 05/14/2012 Time In: 04:07
Rq.Div.Date/Time 00:00 Time Out: 04:13
Customer PO/Dt 2-3529-0086
Order Number/Date 1100206998 / 05/14/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,840 lb
Net Weight 52,700 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,700 lb	26.350 tn
			Total Weight		26.350 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 AAMEYER 05/14/2012 05:13:14

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805694965

Ship To #1168998

Shipping Information Page 1 of 1
Ship Date 05/14/2012 Time In: 03:52
Rq.Div.Date/Time 00:00 Time Out: 03:57
Customer PO/Dt 2-3529-0086
Order Number/Date 1100190698 / 05/14/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,040 lb
Net Weight 53,540 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,540 lb	26.770 tn
			Total Weight		26.770 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 AAMEYER 05/14/2012 04:57:42

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805702663

Ship To #1168998

Shipping Information Page 1 of 1
Ship Date 05/14/2012 Time In: 08:17
Rq.Div.Date/Time 00:00 Time Out: 08:23
Customer PO/Dt 2-3529-0086
Order Number/Date 1100210043 / 05/14/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 79,960 lb
Tare Weight 26,440 lb
Net Weight 53,520 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 TUSERTY 05/14/2012 06:23:04

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805702664

Ship To #1168998

Shipping Information Page 1 of 1
Ship Date 05/14/2012 Time In: 08:26
Rq.Div.Date/Time 00:00 Time Out: 08:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100210644 / 05/14/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,380 lb
Net Weight 53,200 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7202
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,200 lb	26.601 tn
			Total Weight		26.601 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 TUSERTY 05/14/2012 08:33:39

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805702662

2210 Customer Service
1-800-854-4666

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/14/2012 Time In: 05:07
Rq.Div.Date/Time 00:00 Time Out: 05:14
Customer PO/Dt 2-3529-0086
Order Number/Date 1100210642 / 05/14/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA -

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 24,940 lb
Net Weight 54,880 lb
Certified For State
Job Number

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,880 lb	27.440 tn
			Total Weight		27.440 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 TUSERTY 05/14/2012 05:14:13

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805696537

2210 Customer Service
1-800-854-4666

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/14/2012 Time In: 03:59
Rq.Div.Date/Time 00:00 Time Out: 04:04
Customer PO/Dt 2-3529-0086
Order Number/Date 1100206994 / 05/14/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 80,080 lb
Tare Weight 26,720 lb
Net Weight 53,360 lb
Certified For State
Job Number

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7657
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,360 lb	26.680 tn
			Total Weight		26.680 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/14/2012 06:04:37

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805694964

2210 Customer Service
1-800-854-4666

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/14/2012 Time In: 03:46
Rq.Div.Date/Time 00:00 Time Out: 03:50
Customer PO/Dt 2-3529-0086
Order Number/Date 1100190697 / 05/14/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,840 lb
Tare Weight 25,700 lb
Net Weight 54,140 lb
Certified For State
Job Number

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,140 lb	27.070 tn
			Total Weight		27.070 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/14/2012 04:50:17

LAFARGE NORTH AMERICA
Lafarge Midwest

4466642-28679861 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL
#17.37

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this B/L of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4468

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4466642
Sales Order No. / Shipment No.	41933876 / 28679861
Shipment Date	05/14/12
Customer Requested Delivery Date	05/10/12
Customer Requested Delivery Time (ET)	00:00:00

67502

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	05:35 05:39	SILO 3	79,560		30,800	48,760	24,380
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,560 *		30,800 *	48,760 *	24,380 *
			Total CA					
Additional Sales Order No. - If Applicable								

6L100007505

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	-311816	42CNAW	807CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Prepaid

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA

Lafarge North America

#2
9:53

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Page

Branch/Plant: 41505
Lafarge SCI

Shipped To:
Remediation Services Coastal Refinery
1835 Topeka St
Eldorado KS 67042

BOL No. / Load No.	M802221
Sales Order No. / Shipment No.	
Shipment Date	5-14-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TB
TYPE I/II	2			79460		29420	50340	25.17
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	3149216	715	721	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/ Date: Rodney

Driver Signature / Date

Customer Signature / Date

OPERATOR

M802221

LAFARGE NORTH AMERICA

Lafarge North America

#3
11:17

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Page

Branch/Plant: 41505
Lafarge SCI

Shipped To:
Remediation Services Coastal Refinery
1835 Topeka St
Eldorado KS 67042

BOL No. / Load No.	M802220
Sales Order No. / Shipment No.	
Shipment Date	5-11-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TB
TYPE I/II	2			79840		27940	51900	25.95
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	3149216	715	726	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/ Date: Rodney

Driver Signature / Date

Customer Signature / Date

OPERATOR

M802220

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805701175

Customer Service
1-800-854-4656

Ship_To_#1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/15/2012 Time In: 06:46
Rq.Dlv.Date/Time 00:00 Time Out: 06:52
Customer PO/Dt 2-3528-0086
Order Number/Date 1100218739 / 05/15/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,280 lb
Net Weight 53,220 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn

Total Weight 26.610 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-900 AAMEYER 05/15/2012 06:52:09

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805704637

Customer Service
1-800-854-4656

Ship_To_#1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/15/2012 Time In: 05:23
Rq.Dlv.Date/Time 00:00 Time Out: 05:28
Customer PO/Dt 2-3528-0086
Order Number/Date 1100202198 / 05/15/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,320 lb
Tare Weight 26,060 lb
Net Weight 53,260 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7567

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,260 lb	26.630 tn

Total Weight 26.630 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-900 AAMEYER 05/15/2012 06:29:15

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

1210 Customer Service
1-800-654-4656

Ship To #1168996

Bill of Lading: 805701172

Shipping Information — Page 1 of 1

Ship Date	05/15/2012	Time In:	05:39
Rq.Div.Date/Time	00:00	Time Out:	05:44
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100216736 / 05/15/2012		
Customer Number	34646		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,780 lb
Tare Weight	25,660 lb
Net Weight	54,120 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	54,120 lb	27.060 tn

Total Weight 27.060 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 05/15/2012 08:44:30

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

1210 Customer Service
1-800-654-4656

Ship To #1168996

Bill of Lading: 805610584

Shipping Information — Page 1 of 1

Ship Date	05/14/2012	Time In:	14:17
Rq.Div.Date/Time	00:00	Time Out:	14:22
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100068208 / 05/14/2012		
Customer Number	34646		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,620 lb
Tare Weight	26,960 lb
Net Weight	52,660 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	52,660 lb	26.330 tn

Total Weight 26.330 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 05/14/2012 15:22:58

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

1210 Customer Service
1-800-654-4656

Ship To #1168996

Bill of Lading: 805701171

Shipping Information — Page 1 of 1

Ship Date	05/15/2012	Time In:	05:31
Rq.Div.Date/Time	00:00	Time Out:	05:37
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100216735 / 05/15/2012		
Customer Number	34646		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,780 lb
Tare Weight	25,880 lb
Net Weight	53,900 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7650

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 05/15/2012 08:37:39

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

1210 Customer Service
1-800-654-4656

Ship To #1168996

Bill of Lading: 805699986

Shipping Information — Page 1 of 1

Ship Date	05/15/2012	Time In:	12:11
Rq.Div.Date/Time	00:00	Time Out:	12:19
Customer PO/Dt	2-3529-0086		
Order Number/Date	1100204377 / 05/15/2012		
Customer Number	34646		
Reference			

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Gross Weight	79,440 lb
Tare Weight	25,800 lb
Net Weight	53,640 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	53,640 lb	26.820 tn

Total Weight 26.820 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 05/15/2012 13:19:03

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805610582

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 — Time In: 12:48
Rq.Div.Date/Time 00:00 — Time Out: 12:54
Customer PO/Dt 2-3529-0086
Order Number/Date 1100088207 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,820 lb
Tare Weight 25,040 lb
Net Weight 53,780 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,780 lb	26.890 tn
			Total Weight		26.890 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagrite in lieu of scoop, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TUBERTY 06/14/2012 13:54:42

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805610583

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 — Time In: 14.08
Rq.Div.Date/Time 00:00 — Time Out: 14:14
Customer PO/Dt 2-3529-0086
Order Number/Date 1100088208 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,600 lb
Net Weight 52,980 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,980 lb	26.490 tn
			Total Weight		26.490 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagrite in lieu of scoop, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TUBERTY 06/14/2012 15.14.47

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805701578

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/15/2012 — Time In: 04:59
Rq.Div.Date/Time 00:00 — Time Out: 05:04
Customer PO/Dt 2-3529-0086
Order Number/Date 1100218931 / 06/15/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 26,160 lb
Net Weight 53,640 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,640 lb	26.820 tn
			Total Weight		26.820 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagrite in lieu of scoop, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 900 TUBERTY 06/15/2012 04:04:57

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805701586

5210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/15/2012 — Time In: 06:01
Rq.Div.Date/Time 00.00 — Time Out: 06:07
Customer PO/Dt 2-3529-0086
Order Number/Date 1100218938 / 06/15/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,380 lb
Tare Weight 30,340 lb
Net Weight 52,040 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,040 lb	26.020 tn
			Total Weight		26.020 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagrite in lieu of scoop, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 06/15/2012 07:07:18

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4468851-25705250 SEE OTHER OTHERS ON THE BACK #1 6.12 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expenses (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4468851
Sales Order No. / Shipment No.	42085682 / 28708209
Shipment Date	05/14/12
Customer Requested Delivery Date	05/14/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67506
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	15:40 18:42	1	77,260		27,040	50,220	25.110

BULK STANDARD	FUEL-B	NO_BELOW	Total US	77,260 *	27,040 *	50,220 *	25.110 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1502CTS	810CTS	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Road Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4469066-25717078 SEE OTHER OTHERS ON THE BACK #2 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expenses (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4469066
Sales Order No. / Shipment No.	42085682 / 28717078
Shipment Date	05/15/12
Customer Requested Delivery Date	05/14/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67506
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	04:35 04:40	1	79,500		31,000	48,500	24.250

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,500 *	31,000 *	48,500 *	24.250 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	90009	243CTS	800CTS	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Road Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge Midwest

4462683-25705772 SEE OTHER OTHERS ON THE BACK #3 5.16 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expenses (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4469885
Sales Order No. / Shipment No.	41933876 / 28705772
Shipment Date	05/15/12
Customer Requested Delivery Date	05/14/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007508	09:23 09:24	SILO 3	79,500		30,800	48,700	24.350

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,500 *	30,800 *	48,700 *	24.350 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	CNAW42	CNAW807	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Road Material Safety Data Sheet (MSDS) OPERATOR

Holcim
KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805706045

Customer Service
1-800-654-4656

Ship To # 1,088996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 04:44
Req.Div.Date/Time 00:00 — Time Out: 04:50
Customer PO/Dt 2-3529-0086
Order Number/Date 1100217751 / 05/16/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,040 lb
Tare Weight 25,020 lb
Net Weight 54,020 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract #
Vehicle 7702
Certified For State
Job Number
Acc. Charge
Equip. Type S000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,020 lb	27.009 tn

Total Weight 27.009 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements of Ka... Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2, Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of scale, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

PRO-800 AAMEYER 05/16/2012 05:50:13

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805697003

5210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 11:41
Rq.Div.Date/Time 00.00 — Time Out: 11:48
Customer PO/Dt 2-3529-0088
Order Number/Date 1100226033 / 05/16/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,000 lb
Net Weight 53,660 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,660 lb	26.830 tn

Total Weight 26.830 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scaleslip, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 TUBERTY 05/16/2012 12:49:50

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805706046

5210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 04:51
Rq.Div.Date/Time 00:00 — Time Out: 04:57
Customer PO/Dt 2-3529-0088
Order Number/Date 1100217752 / 05/16/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 26,440 lb
Net Weight 52,900 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,900 lb	26.450 tn

Total Weight 26.450 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scaleslip, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 05/16/2012 05:57:08

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805703737

5210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 11:33
Rq.Div.Date/Time 00:00 — Time Out: 11:39
Customer PO/Dt 2-3529-0088
Order Number/Date 1100218397 / 05/16/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 79,720 lb
Tare Weight 26,300 lb
Net Weight 53,420 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn

Total Weight 26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scaleslip, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 TUBERTY 05/16/2012 12:32:50

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805704476

5210 Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 06:23
Rq.Div.Date/Time 00:00 — Time Out: 06:29
Customer PO/Dt 2-3529-0088
Order Number/Date 1100231833 / 05/16/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Sealed Weight (Bulk Only)
Gross Weight 82,040 lb
Tare Weight 26,060 lb
Net Weight 53,980 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,980 lb	26.990 tn

Total Weight 26.990 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scaleslip, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 TUBERTY 05/16/2012 07:29:57

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805705850

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 08:40
Rq.Div.Date/Time 00:00 — Time Out: 08:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100230046 / 05/16/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 25,880 lb
Net Weight 53,720 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,720 lb	26.860 tn

Total Weight 26.860 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 05/16/2012 07:46:03

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805657522

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 — Time In: 08:36
Rq.Div.Date/Time 00:00 — Time Out: 08:43
Customer PO/Dt 2-3529-0086
Order Number/Date 1100106363 / 05/16/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 26,720 lb
Net Weight 52,760 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,760 lb	26.380 tn

Total Weight 26.380 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 05/16/2012 09:43:09

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805699996

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/15/2012 — Time In: 13:59
Rq.Div.Date/Time 00:00 — Time Out: 14:05
Customer PO/Dt 2-3529-0086
Order Number/Date 1100204388 / 05/15/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 26,100 lb
Net Weight 53,600 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,600 lb	26.800 tn

Total Weight 26.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 05/15/2012 15:06:17

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805704678

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/15/2012 — Time In: 15:14
Rq.Div.Date/Time 00:00 — Time Out: 15:19
Customer PO/Dt 2-3529-0086
Order Number/Date 1100226883 / 05/15/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 26,380 lb
Net Weight 53,320 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn

Total Weight 26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 05/15/2012 16:19:33

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4658

805703498

Bill of Lading:

Ship To: 1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1

Ship Date	05/16/2012	Time In:	04:56
Rq.Dlv.Date/Time	00:00	Time Out:	05.04
Customer PO/Dt	2-3529-0086		
Order Number/Date	11002333034 / 05/16/2012		
Customer Number	34546		
Reference			

Conditions — Scaled Weight (Bulk Only)

Delivery	FP	Gross Weight	79,720 lb
Route		Tare Weight	26,100 lb
		Net Weight	53,620 lb

Carrier/Vehicle Details

Carrier Code	4001936	Certified For State	
Carrier Name	CONTRACTORS CARTAGE, INC.	Job Number	
Contract#		Acc. Charge	
Vehicle	7999	Equip. Type	5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,620 lb	26.810 tn
			Total Weight		26.810 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, was a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/16/2012 08:04:03

LAFARGE NORTH AMERICA — Lafarge Midwest

ORIGINAL #1 7:17

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges. Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4471252
Sales Order No.	41933876
Shipment No.	28721687
Shipment Date	05/15/12
Customer Requested Delivery Date	05/15/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	16:56 17:01	SILO 3	79,920		31,840	48,080	24.040
BULK STANDARD — FUEL-B — NO_BELOW			Total US	79,920 *		31,840 *	48,080 *	24.040 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CNAW	807CNAW	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA — Lafarge North America Inc.

ORIGINAL #2 8:53

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges. Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4471328
Sales Order No.	42085682
Shipment No.	28719638
Shipment Date	05/15/12
Customer Requested Delivery Date	05/15/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	16:36 16:39	1	80,000		28,440	51,560	25.780
BULK STANDARD — FUEL-B — NO_BELOW			Total US	80,000 *		28,440 *	51,560 *	25.780 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions: Carrier Code 311814

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	709CTS	524CTS	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA — Lafarge North America Inc.

ORIGINAL #3 9:43

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges. Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4471368
Sales Order No.	42085682
Shipment No.	28732672
Shipment Date	05/15/12
Customer Requested Delivery Date	05/15/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	21:12 21:18	1	78,240		28,240	50,000	25.000
BULK STANDARD — FUEL-B — NO_BELOW			Total US	78,240 *		28,240 *	50,000 *	25.000 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1502CTS	610CTS	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading: 805702758

Shipping Information — Page 1 of 1

Ship Date 06/17/2012 — Time In: 07:44
Rq.Div.Date/Time 00:00 — Time Out: 07:52
Customer PO/Dt 2-3529-0086
Order Number/Date 1100228346 / 06/17/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 78,840 lb
Tare Weight 24,260 lb
Net Weight 54,580 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle JPTMAR-215

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,580 lb	27.289 tn

Total Weight 27.289 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers tender in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 TUSKRTY 06/17/2012 08:52:07

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading: 805702768

Shipping Information — Page 1 of 1

Ship Date 06/17/2012 — Time In: 11:46
Rq.Div.Date/Time 00:00 — Time Out: 11:51
Customer PO/Dt 2-3529-0086
Order Number/Date 1100228361 / 06/17/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 25,840 lb
Net Weight 53,680 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,680 lb	26.840 tn

Total Weight 26.840 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers tender in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 TUSKRTY 06/17/2012 13:51:01

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading: 805699497

Shipping Information — Page 1 of 1

Ship Date 06/17/2012 — Time In: 12:24
Rq.Div.Date/Time 00:00 — Time Out: 12:30
Customer PO/Dt 2-3529-0086
Order Number/Date 1100231723 / 06/17/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,120 lb
Tare Weight 25,220 lb
Net Weight 53,900 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7387

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers tender in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 TUSKRTY 06/17/2012 13:30:01

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading: 805699496

Shipping Information — Page 1 of 1

Ship Date 06/17/2012 — Time In: 11:53
Rq.Div.Date/Time 00:00 — Time Out: 11:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100231722 / 06/17/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 25,660 lb
Net Weight 54,020 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,020 lb	27.009 tn

Total Weight 27.009 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers tender in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 TUSKRTY 06/17/2012 12:58:33

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805704514

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/17/2012 — Time In: 06:56
Rq.Div.Date/Time 00:00 — Time Out: 06:03
Customer PO/Dt 2-3529-0088
Order Number/Date 1100231989 / 06/17/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 26,240 lb
Net Weight 53,440 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7560

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Veh. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn
			Total Weight		26.720 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/17/2012 07:03:13

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805704517

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/17/2012 — Time In: 07:55
Rq.Div.Date/Time 00:00 — Time Out: 08:01
Customer PO/Dt 2-3529-0086
Order Number/Date 1100231982 / 06/17/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,180 lb
Tare Weight 25,720 lb
Net Weight 53,460 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle JPTMAR-216

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Veh. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,460 lb	26.729 tn
			Total Weight		26.729 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/17/2012 09:01:19

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805708851

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/17/2012 — Time In: 04:54
Rq.Div.Date/Time 00:00 — Time Out: 05:01
Customer PO/Dt 2-3529-0088
Order Number/Date 1100232319 / 06/17/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,180 lb
Tare Weight 28,420 lb
Net Weight 53,760 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Veh. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,760 lb	26.881 tn
			Total Weight		26.881 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/17/2012 05:01:03

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805696400

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/16/2012 — Time In: 16:19
Rq.Div.Date/Time 00:00 — Time Out: 16:26
Customer PO/Dt 2-3529-0086
Order Number/Date 1100229854 / 06/16/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 25,900 lb
Net Weight 53,840 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Veh. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,840 lb	26.920 tn
			Total Weight		26.920 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 RWONMACK 06/16/2012 16:28:08

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805680777

Bill of Lading:

Ship To: #1168086

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 05/16/2012 Time In: 18:46
Rq.Div.Date/Time 00:00 Time Out: 18:54
Customer PO/Dt 2-3529-0088
Order Number/Date 1100160190 / 05/16/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scales Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 25,520 lb
Net Weight 54,220 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,220 lb	27.110 tn
			Total Weight		27.110 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers hereto in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver B Gold
Customer

(Signature of consignor)

PRD-800 RWCWMACK 05/16/2012 18:54:13

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

805704510

Bill of Lading:

Ship To: #1168086

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 05/17/2012 Time In: 05:32
Rq.Div.Date/Time 00:00 Time Out: 05:36
Customer PO/Dt 2-3529-0088
Order Number/Date 1100231988 / 05/17/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scales Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,100 lb
Net Weight 53,440 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn
			Total Weight		26.720 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers hereto in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TLIBERTY 05/17/2012 06:36 53

LAFARGE NORTH AMERICA
Lafarge Midwest

4473835-28731125 SEE OTHER CONDITIONS ON THE BACK

#1 7:26 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper:

Branch/Plant:
67502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To:
12863402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4473835
Sales Order No.	41933878
Shipment No.	28731125
Shipment Date	05/16/12
Customer Requested Delivery Date	05/15/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	17:17 17:21	SILO 3	79,720		30,220	49,500	24.750

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,720 *	30,220 *	49,500 *	24.750 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Bill of Lading Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4473942-28733481 SEE OTHER CONDITIONS ON THE BACK

#2 6:10 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12863402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4473942
Sales Order No.	42085682
Shipment No.	28733481
Shipment Date	05/16/12
Customer Requested Delivery Date	05/15/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	22:59 22:59	1	77,540		27,540	50,000	25.000

BULK STANDARD	FUEL-B	NO_BELOW	Total US	77,540 *	27,540 *	50,000 *	25.000 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1502CTS	810CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Bill of Lading Stamp:
Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA

Lafarge Midwest

44753/0 28746520 SEE OTHER CONDITIONS ON THE BACK

#3 12:55

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. The property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating thereto. Carrier(s) accepts of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions Page 1 of 1

NON RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. Load No.	4475370
Sales Order No.	41933878
Shipment No.	28746520
Shipment Date	05/17/12
Customer Requested Delivery Date	05/16/12
Customer Requested Delivery Time (ET)	00:00:00

anch/Plant :
07502
FREDONIA PLANT
1400 S CEMENT RD
FREDONIA KS 66736
(620) 378-4458

Shipped To :
12863402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned :

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End		Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE MI - LOW ALKALI	6L100007505	10:39	10:43	4	79,500		31,060	48,440	24.220

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,500 *	31,060 *	48,440 *	24.220 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	244CNAW	811CNAW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature / Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805708734

Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 05/18/2012 Time In: 05:38
Rq.Div.Date/Time 00:00 Time Out: 05:45
Customer PO/Dt 2-3529-0086
Order Number/Date 1100243830 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 26,760 lb
Net Weight 53,940 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	53,940 lb	26.970 tn

Total Weight 26.970 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers begins in lieu of assay, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO 800 TLIBERTY 05/18/2012 05:45:33

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805709082

Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 05/18/2012 Time In: 08:36
Rq.Div.Date/Time 00:00 Time Out: 08:43
Customer PO/Dt 2-3529-0086
Order Number/Date 1100228608 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 26,600 lb
Net Weight 52,920 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	52,920 lb	26.461 tn

Total Weight 26.461 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers begins in lieu of assay, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TLIBERTY 05/18/2012 07:43:09

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805709464

Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 05/18/2012 Time In: 11:57
Rq.Div.Date/Time 00:00 Time Out: 12:02
Customer PO/Dt 2-3529-0086
Order Number/Date 1100250803 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,060 lb
Tare Weight 23,860 lb
Net Weight 55,200 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 119

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	55,200 lb	27.600 tn

Total Weight 27.600 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers begins in lieu of assay, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/18/2012 13:02:12

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805708904

5210 Customer Service
1-800-854-4656

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 12:03
Rq.Div.Date/Time 00:00 — Time Out: 12:08
Customer PO/Dt 2-3529-0086
Order Number/Date 1100248869 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 25,760 lb
Net Weight 53,700 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,700 lb	26.850 tn

Total Weight 26.850 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/18/2012 13:09:23

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805708586

5210 Customer Service
1-800-854-4656

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 06:49
Rq.Div.Date/Time 00:00 — Time Out: 06:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100228998 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,100 lb
Net Weight 53,540 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,540 lb	26.770 tn

Total Weight 26.770 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 TUBERTY 05/18/2012 07:53:08

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805704557

5210 Customer Service
1-800-854-4656

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 04:32
Rq.Div.Date/Time 00:00 — Time Out: 04:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100243084 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 26,500 lb
Net Weight 53,100 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7867

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,100 lb	26.550 tn

Total Weight 26.550 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/18/2012 05:37:23

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805704556

5210 Customer Service
1-800-854-4656

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 04:01
Rq.Div.Date/Time 00:00 — Time Out: 04:08
Customer PO/Dt 2-3529-0086
Order Number/Date 1100243082 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,060 lb
Tare Weight 25,360 lb
Net Weight 53,700 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 119

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,700 lb	26.850 tn

Total Weight 26.850 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/18/2012 05:04:31

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805703790

Customer Service
1-800-854-4656

Ship To #1168986

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 03:54
Rq.Div.Date/Time 00:00 — Time Out: 03:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100236945 / 05/18/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 26,040 lb
Net Weight 53,480 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks. Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scoop, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMETER 05/18/2012 04:58:39

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805708578

Customer Service
1-800-854-4656

Ship To #1168986

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 08:23
Rq.Div.Date/Time 00:00 — Time Out: 08:29
Customer PO/Dt 2-3529-0086
Order Number/Date 1100228991 / 05/18/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,080 lb
Tare Weight 28,300 lb
Net Weight 53,780 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,780 lb	26.890 tn
			Total Weight		26.890 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks. Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scoop, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 TLIBERTY 05/18/2012 08:28:46

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805706112

Customer Service
1-800-854-4656

Ship To #1168986

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/17/2012 — Time In: 15:54
Rq.Div.Date/Time 00:00 — Time Out: 16:02
Customer PO/Dt 2-3529-0086
Order Number/Date 1100237617 / 05/17/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,940 lb
Tare Weight 25,800 lb
Net Weight 54,140 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,140 lb	27.070 tn
			Total Weight		27.070 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks. Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scoop, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 RHOWMACK 05/17/2012 17:02:31

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4428430-2674854 SEE OTHER CONDITIONS ON THE BACK

#2 ORIGINAL
10:52

Received subject to the carrier's or any rail/sea transportation contract between the Carrier(s) line-hauling this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this BOL of Lading. The property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to each destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, claim or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) carrying of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REDOUBLE: If Shipper signs this condition, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64060
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4476439
Sales Order No.	42085682
Shipment No.	20748454
Shipment Date	05/17/12
Customer Requested Delivery Date	05/16/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	15:32 15:41	2	79,820		27,660	52,160	26.080

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,820 *	27,660 *	52,160 *	26.080 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	00099	705CTS	526CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Stale Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect

Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#3

Signature of Shipper: _____

Branch/Plant:	Shipped To:
67505	12663402
SUGAR CREEK PLANT	REMEDIAL CONSTRUCTION SERVICES LP
2200 COURTNEY RD	1835 N TOPEKA ST
SUGAR CREEK MO 64050	EL DORADO KS 67042
(816) 257-6178	()

BOL No. / Load No.	4477407
Sales Order No. / Shipment No.	42085682 / 28703051
Shipment Date	05/18/12
Customer Requested Delivery Date	05/17/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	07:16 07:19	2	79,020		29,960	49,060	24.530
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,020 *		29,960 *	49,060 *	24.530 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1625CTS	522CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Ship Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect

Shipper Signature/Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#1

Signature of Shipper: _____

Branch/Plant:	Shipped To:
67505	12663402
SUGAR CREEK PLANT	REMEDIAL CONSTRUCTION SERVICES LP
2200 COURTNEY RD	1835 N TOPEKA ST
SUGAR CREEK MO 64050	EL DORADO KS 67042
(816) 257-6178	()

BOL No. / Load No.	4476676
Sales Order No. / Shipment No.	42085682 / 28759770
Shipment Date	05/17/12
Customer Requested Delivery Date	05/17/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	21:27 21:32	1	79,980		28,600	51,380	25.690
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,980 *		28,600 *	51,380 *	25.690 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Carrier # 311814

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	709CTS	523CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Ship Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect

Shipper Signature/Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805708789

Bill of Lading:

Ship To #1168986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 05/21/2012 Time In: 04:18
Rq.Div.Date/Time 00:00 Time Out: 04:23
Customer PO/Dt 2-3529-0086
Order Number/Date 1100243747 / 05/21/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,220 lb
Tare Weight 26,280 lb
Net Weight 52,940 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,940 lb	26.470 tn
			Total Weight		26.470 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

Signature of consignee

FRD-000 AAMEYER 05/21/2012 09:23:30

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805711449

Bill of Lading:

Ship To #1168986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 05/21/2012 Time In: 05:27
Rq.Div.Date/Time 00:00 Time Out: 05:34
Customer PO/Dt 2-3529-0086
Order Number/Date 1100249920 / 05/21/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 25,740 lb
Net Weight 53,720 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7580

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,720 lb	26.860 tn
			Total Weight		26.860 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

Signature of consignee

FRD-000 AAMEYER 05/21/2012 06:34:56

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805709152

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/21/2012 — Time In: 12:25
Rq.Div.Date/Time 00:00 — Time Out: 12:31
Customer PO/Dt 2-3529-0088
Order Number/Date 1100258816 / 06/21/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,320 lb
Tare Weight 28,320 lb
Net Weight 54,000 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,000 lb	27.000 tn
			Total Weight		27.000 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/21/2012 13:31:14

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805706348

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 16:57
Rq.Div.Date/Time 00:00 — Time Out: 16:04
Customer PO/Dt 2-3529-0088
Order Number/Date 1100246441 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,220 lb
Tare Weight 28,100 lb
Net Weight 54,120 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,120 lb	27.060 tn
			Total Weight		27.060 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 RWOMMACK 05/18/2012 17:04:39

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805705521

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 14:57
Rq.Div.Date/Time 00:00 — Time Out: 15:05
Customer PO/Dt 2-3529-0088
Order Number/Date 1100242531 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,620 lb
Net Weight 53,040 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,040 lb	26.520 tn
			Total Weight		26.520 tn

ENVIROCORE

Shipping Instruction

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 RWOMMACK 05/18/2012 16:05:11

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805706500

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/18/2012 — Time In: 14:05
Rq.Div.Date/Time 00:00 — Time Out: 14:09
Customer PO/Dt 2-3529-0088
Order Number/Date 1100227182 / 05/18/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 80,020 lb
Tare Weight 26,600 lb
Net Weight 53,420 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7685

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn
			Total Weight		26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 TLIBERTY 05/18/2012 15:09:35

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805706347

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 15:48
Rq.Div.Date/Time 00:00 — Time Out: 18:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100246440 / 06/18/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,400 lb
Tare Weight 26,180 lb
Net Weight 53,240 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,240 lb	26.620 tn
			Total Weight		26.620 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 RWOMMACK 06/18/2012 18:55:30

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805711446

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/21/2012 — Time In: 05:19
Rq.Div.Date/Time 00:00 — Time Out: 05:26
Customer PO/Dt 2-3529-0086
Order Number/Date 1100249917 / 06/21/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 26,300 lb
Net Weight 53,260 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,260 lb	26.630 tn
			Total Weight		26.630 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 06/21/2012 06:25:07

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805711664

1210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/21/2012 — Time In: 11:54
Rq.Div.Date/Time 00:00 — Time Out: 11:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100246333 / 06/21/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,780 lb
Net Weight 52,860 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,860 lb	26.430 tn
			Total Weight		26.430 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 06/21/2012 12:59:20

LAFARGE NORTH AMERICA

4480180-26778663

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Lafarge North America Inc.

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue or the Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting at a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall and deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4480180
Sales Order No.	42207484
Shipment No.	26778663
Shipment Date	05/21/12
Customer Requested Delivery Date	05/21/12
Customer Requested Delivery Time (ET)	00:00.00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	05:21 05:22	1	78,600		31,520	47,080	23.540
BULK STANDARD — FUEL-0 — NO_BELOW			Total US	78,600 *		31,520 *	47,080 *	23.540 *
			Total CA					
Additional Sales Order No. - If Applicable								

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	768CTS	391CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

Collect

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805702841

Customer Service 1-800-654-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1
Ship Date 06/22/2012 — Time In: 07:44
Rq.Div.Date/Time 00:00 — Time Out: 07:48
Customer PO/Dt 2-3529-0088
Order Number/Date 1100261612 / 06/22/2012
Customer Number 34548
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,220 lb
Net Weight 53,320 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn
			Total Weight		26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/22/2012 08:49:06

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805709911

Customer Service 1-800-654-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1
Ship Date 06/22/2012 — Time In: 12:06
Rq.Div.Date/Time 00:00 — Time Out: 12:11
Customer PO/Dt 2-3529-0088
Order Number/Date 1100264506 / 06/22/2012
Customer Number 34548
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,000 lb
Net Weight 53,500 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,500 lb	26.750 tn
			Total Weight		26.750 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/22/2012 12:11:56

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805713091

Customer Service 1-800-654-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1
Ship Date 06/22/2012 — Time In: 13:24
Rq.Div.Date/Time 00:00 — Time Out: 13:30
Customer PO/Dt 2-3529-0088
Order Number/Date 1100263348 / 06/22/2012
Customer Number 34548
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,200 lb
Tare Weight 29,280 lb
Net Weight 52,920 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,920 lb	26.461 tn
			Total Weight		26.461 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/22/2012 14:30:27

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805711504

Customer Service 1-800-654-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1
Ship Date 06/22/2012 — Time In: 05:13
Rq.Div.Date/Time 00:00 — Time Out: 05:19
Customer PO/Dt 2-3529-0088
Order Number/Date 1100249987 / 06/22/2012
Customer Number 34548
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,400 lb
Tare Weight 28,880 lb
Net Weight 53,520 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/22/2012 08:19:28

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805702840

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 05/22/2012 Time In: 07:38
Rq.Div.Date/Time 00:00 Time Out: 07:41
Customer PO/Dt 2-3529-0086
Order Number/Date 1100251611 / 05/22/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 27,120 lb
Net Weight 52,340 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,340 lb	26.170 tn

Total Weight 26.170 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/22/2012 08:41:52

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805711488

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 05/21/2012 Time In: 15:15
Rq.Div.Date/Time 00:00 Time Out: 15:24
Customer PO/Dt 2-3529-0086
Order Number/Date 1100249953 / 05/21/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 26,340 lb
Net Weight 53,400 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,400 lb	26.700 tn

Total Weight 26.700 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 RWCMMACK 05/21/2012 16:24:42

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805709155

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 05/21/2012 Time In: 15:45
Rq.Div.Date/Time 00:00 Time Out: 15:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100248625 / 05/21/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 25,760 lb
Net Weight 53,780 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7560

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,780 lb	26.890 tn

Total Weight 26.890 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 RWCMMACK 05/21/2012 19:56:52

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805709166

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 05/22/2012 Time In: 06:00
Rq.Div.Date/Time 00:00 Time Out: 06:05
Customer PO/Dt 2-3529-0086
Order Number/Date 1100258664 / 05/22/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,360 lb
Tare Weight 26,080 lb
Net Weight 53,280 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,280 lb	26.640 tn

Total Weight 26.640 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/22/2012 07:09:49

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Site: Customer Service
1-800-664-4666

805711679

Bill of Lading:

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information (Page) 1 of 1
Ship Date 05/22/2012
Rq.Div.Date/Time 00:00
Time In: 04:42
Time Out: 04:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100246393 / 05/22/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 25,640 lb
Net Weight 54,060 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7989
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,060 lb	27.030 tn
			Total Weight		27.030 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer
B. Gold
(Signature of consignee)

PRD-800 AAMEYER 05/22/2012 09:47:14

LAFARGE NORTH AMERICA

#1 7:24

Lafarge North America

Signature of Shipper

Branch/Plant: Lafarge SCRI 67505
Shipped To: 12663402 Remediation Services El Dorado Ks

Page

BOL No. / Load No.	M802225
Sales Order No. / Shipment No.	42085632
Shipment Date	5-21-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Site	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Type I/II			2	79160		30420	48740	24.37
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
80	Customer Pickup	311116	1625 CTS	577 CTS	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

M802225 OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4482067-28705127 SEE OTHER CONDITIONS ON THE BACK

#2 ORIGINAL 9:50

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4482067
Sales Order No. / Shipment No.	42217100 / 28705127
Shipment Date	05/21/12
Customer Requested Delivery Date	05/21/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Site	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	CL100007505	22:45 22:45	1	79,800		30,200	49,600	24.800
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,800 *		30,200 *	49,600 *	24.800 *
			Total CA	—				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1836CTS	988CTS	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:

Collect

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA

#3 11:37

Lafarge North America

Signature of Shipper:

Branch/Plant:
67505
Lafarge SCII

Shipped To: 12663402
Remedial Const Serv.
1835 N. Topeka St.
El Dorado, KS

Page

BOL No. / Load No.	M801409
Sales Order No. / Shipment No.	
Shipment Date	5-21-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Site	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Type I/II			1	79940		28460	51480	25.74
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	Central Transport Serv	99999	745	526	

Rail Route Description | Transportation Contract | Trailer 1 Seal No. | Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

M801409 OPERATOR

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805714273

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/23/2012 Time In: 04:49
Rq.Div.Date/Time 00:00 Time Out: 04:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100264977 / 05/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 26,420 lb
Net Weight 53,240 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7567

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,240 lb	26.620 tn

Total Weight 26.620 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article(s) 15 on the reverse side hereof for definitions of U.S. Rates, and Canadian Rates, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading as then in effect or (if this is a rail or rail-water shipment) in the Uniform Freight Classification or Rail Freight Classification in effect on the date hereof (if this is rail or rail-water shipment), or (if it is a motor carrier shipment) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, or (if this is a rail-water shipment) in the applicable water carrier tariff, if any, governing such shipment, and to the terms and conditions of the Carmack Amendment (49 U.S.C. 11707), the Bill of Lading as so interpreted shall govern the rights and liabilities of the parties, even if a form of Bill of Lading has not been issued or if issued, shall not be required to be presented at the time of shipment. The agreed or declared value of the property is not exceeding $ per pound unless a higher value is stated in writing by the shipper and agreed to by the carrier. If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD 900 RWOMMACK 05/23/2012 08 55:38

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805713111

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/23/2012 Time In: 05:57
Rq.Div.Date/Time 00:00 Time Out: 06:03
Customer PO/Dt 2-3529-0086
Order Number/Date 1100263387 / 05/23/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 26,180 lb
Net Weight 53,340 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,340 lb	26.670 tn

Total Weight 26.670 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article(s) 15 on the reverse side hereof for definitions of U.S. Rates, and Canadian Rates, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading as then in effect or (if this is a rail or rail-water shipment) in the Uniform Freight Classification or Rail Freight Classification in effect on the date hereof (if this is rail or rail-water shipment), or (if it is a motor carrier shipment) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, or (if this is a rail-water shipment) in the applicable water carrier tariff, if any, governing such shipment, and to the terms and conditions of the Carmack Amendment (49 U.S.C. 11707), the Bill of Lading as so interpreted shall govern the rights and liabilities of the parties, even if a form of Bill of Lading has not been issued or if issued, shall not be required to be presented at the time of shipment. The agreed or declared value of the property is not exceeding $ per pound unless a higher value is stated in writing by the shipper and agreed to by the carrier. If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-900 AAMEYER 05/23/2012 07 03.10

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805715009

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/22/2012 Time In: 14:35
Rq.Div.Date/Time 00:00 Time Out: 14:41
Customer PO/Dt 2-3529-0086
Order Number/Date 1100255476 / 05/22/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 25,500 lb
Net Weight 54,140 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,140 lb	27.070 tn

Total Weight 27.070 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article(s) 15 on the reverse side hereof for definitions of U.S. Rates, and Canadian Rates, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading as then in effect or (if this is a rail or rail-water shipment) in the Uniform Freight Classification or Rail Freight Classification in effect on the date hereof (if this is rail or rail-water shipment), or (if it is a motor carrier shipment) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, or (if this is a rail-water shipment) in the applicable water carrier tariff, if any, governing such shipment, and to the terms and conditions of the Carmack Amendment (49 U.S.C. 11707), the Bill of Lading as so interpreted shall govern the rights and liabilities of the parties, even if a form of Bill of Lading has not been issued or if issued, shall not be required to be presented at the time of shipment. The agreed or declared value of the property is not exceeding $ per pound unless a higher value is stated in writing by the shipper and agreed to by the carrier. If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-900 RWOMMACK 05/22/2012 15:41:37

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805710500

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/22/2012 Time In: 16:18
Rq Div.Date/Time 00 00 Time Out: 16:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100256082 / 05/22/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 26,540 lb
Net Weight 53,200 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,200 lb	26.601 tn

Total Weight 26.601 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. See Article(s) 15 on the reverse side hereof for definitions of U.S. Rates, and Canadian Rates, respectively. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading as then in effect or (if this is a rail or rail-water shipment) in the Uniform Freight Classification or Rail Freight Classification in effect on the date hereof (if this is rail or rail-water shipment), or (if it is a motor carrier shipment) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, or (if this is a rail-water shipment) in the applicable water carrier tariff, if any, governing such shipment, and to the terms and conditions of the Carmack Amendment (49 U.S.C. 11707), the Bill of Lading as so interpreted shall govern the rights and liabilities of the parties, even if a form of Bill of Lading has not been issued or if issued, shall not be required to be presented at the time of shipment. The agreed or declared value of the property is not exceeding $ per pound unless a higher value is stated in writing by the shipper and agreed to by the carrier. If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description that weight indicated on the bill of lading has correct, subjected to verification by the individual railroad or WesternWeighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the governing Rail and Motor classifications.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-900 RWOMMACK 05/22/2012 17 26:00

LAFARGE NORTH AMERICA

Lafarge North America

#1 7:38

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the properly described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Page

Branch/Plant: 67505 Lafarge SCII

Shipped To: 12663402 Remedial Const. Serv. 1835 N. Topeka St. El Dorado, KS

BOL No. / Load No.	M801411
Sales Order No. / Shipment No.	
Shipment Date	5-22-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Type I/II				77060		26880	50180	25.09
Total US								
Total CA								

(2)

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311241	1502	310	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/ Date

Driver Signature/ Date

Customer Signature / Date

OPERATOR

M801411

LAFARGE NORTH AMERICA

Lafarge North America Inc.

443-803-28800365 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the properly described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4484933
Sales Order No. / Shipment No.	42241521 / 28800365
Shipment Date	05/23/12
Customer Requested Delivery Date	05/23/12
Customer Requested Delivery Time (ET)	00:00:00

10:06

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	05 55	05 55	1	79,500	29,440	50,060	25.030
BULK STANDARD FUEL-B NO_BELOW	Total US				79,500 *	29,440 *	50,060 *	25.030 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	243CTS	512CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA

Lafarge North America Inc.

4485202-28801177 SEE OTHER CONDITIONS ON THE BACK

#5 11:41

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the properly described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4485202
Sales Order No. / Shipment No.	42241670 / 28801177
Shipment Date	05/23/12
Customer Requested Delivery Date	05/23/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	07:50	07:53	2	78,640	30,200	48,440	24.220
BULK STANDARD FUEL-B NO_BELOW	Total US				78,640 *	30,200 *	48,440 *	24.220 *
	Total CA							

84

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1625CTS	522CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim

KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-854-4656

805713308

Bill of Lading:

Ship To: EL088890

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1

Ship Date 05/23/2012 Time In: 13:04
Rq.Div.Date/Time 00:00 Time Out: 13:08
Customer PO/Dt 2-3629-0086
Order Number/Date 1100271967 / 05/23/2012
Customer Number 34548
Reference

Conditions
Delivery FP
Route

Scale Weight (Bulk Only)
Gross Weight 78,400 lb
Tare Weight 26,240 lb
Net Weight 52,160 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000066

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,160 lb	26.080 tn
			Total Weight		26.080 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:

Driver

Customer

(Signature of consignor)

PRD 800 AAMSTER 08/23/2012 14:09:00

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714504

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/23/2012 Time In: 16:17
Rq.Div.Date/Time 00:00 Time Out: 16:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100271791 / 06/23/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 26,040 lb
Net Weight 53,640 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,640 lb	26.820 tn

Total Weight 26.820 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of energy, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 RWOMMACK 06/23/2012 16:26:36

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805715621

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/23/2012 Time In: 14:10
Rq.Div.Date/Time 00:00 Time Out: 14:19
Customer PO/Dt 2-3529-0086
Order Number/Date 1100252810 / 06/23/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 25,520 lb
Net Weight 54,280 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,280 lb	27.140 tn

Total Weight 27.140 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of energy, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 RWOMMACK 06/23/2012 18:19:11

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714505

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/23/2012 Time In: 16:01
Rq.Div.Date/Time 00:00 Time Out: 16:14
Customer PO/Dt 2-3529-0086
Order Number/Date 1100271797 / 06/23/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 26,100 lb
Net Weight 53,700 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,700 lb	26.850 tn

Total Weight 26.850 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of energy, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 RWOMMACK 06/23/2012 17:14:08

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805700920

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/23/2012 Time In: 15:06
Rq.Div.Date/Time 00:00 Time Out: 15:13
Customer PO/Dt 2-3529-0086
Order Number/Date 1100187794 / 06/23/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,500 lb
Net Weight 53,140 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,140 lb	26.570 tn

Total Weight 26.570 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of energy, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 RWOMMACK 06/23/2012 18:13:16

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714949

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/25/2012 — Time In: 09:11
Rq.Div.Date/Time 00:00 — Time Out: 09:19
Customer PO/Dt 2-3529-0086
Order Number/Date 1100278892 / 05/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,760 lb
Tare Weight 25,480 lb
Net Weight 54,280 lb

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,280 lb	27.140 tn

Total Weight 27.140 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO-800 RWOMMACK 05/25/2012 10:19:15

Holcim ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service S21923729
1-800-854-4656

Bill of Lading: S21923729

Ship To #0001168996

Shipping Information — Page 1 of 1
Ship Date 05/24/2012 — Time In: 9:20
Rq.Div.Date/Time — Time Out: 9:27
Customer PO/Dt
Customer Number
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,780 lb 35,734 kg
Tare Weight 25,340 lb 11,494 kg
Net Weight 53,440 lb 24,239 kg

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 0004002414
Carrier Name JP TRANSPORT
Contract#
Vehicle (JP Transport) 121/223

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
0014	GRANCEM 100	6003	7530	53,440 lb	26.720 tn 24.240 to

Total Weight 26.720 tn 24.240 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and

Loaded By:
Driver
Customer
(Signature of consignee)

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805716841

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/25/2012 — Time In: 07:28
Rq.Div.Date/Time 00:00 — Time Out: 07:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100290891 / 05/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,240 lb
Net Weight 53,260 lb

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7867

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,260 lb	26.630 tn

Total Weight 26.630 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO-800 AAMEYER 05/25/2012 08:33:52

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805711993

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/25/2012 — Time In: 09:33
Rq.Div.Date/Time 00:00 — Time Out: 09:39
Customer PO/Dt 2-3529-0086
Order Number/Date 1100288875 / 05/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 26,000 lb
Net Weight 53,740 lb

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,740 lb	26.869 tn

Total Weight 26.869 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRO-800 AAMEYER 05/25/2012 09:39:13

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service S21923730
1-800-854-4656

Bill of Lading: S21923730

Ship To #0001168996

Shipping Information Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Ship Date 05/24/2012 Time In: 9:31
Rq.Div.Date/Time Time Out: 9:38
Customer PO/Dt
Customer Number
Reference

Conditions

Scaled Weight (Bulk Only)

Delivery FP	Gross Weight	79,680 lb	36,142 kg
Route	Tare Weight	26,340 lb	11,947 kg
	Net Weight	53,340 lb	24,194 kg

Carrier/Vehicle Details
Carrier Code 0004002414
Carrier Name JP TRANSPORT
Contract#
Vehicle JP Transport 214

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	53,340 lb	26.670 tn	24.190 to

Total Weight 26.670 tn 24.190 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
[illegible]

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications.

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Rick Atkinson
Customer

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805711979

1210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 05/25/2012 Time In: 07:47
Rq.Div.Date/Time 00:00 Time Out: 07:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100288881 / 05/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Delivery FP	Gross Weight	82,000 lb
Route	Tare Weight	28,180 lb
	Net Weight	53,820 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,820 lb	26.910 tn

Total Weight 26.910 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.
Specifications for Highway Construction, ASTM C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal

[illegible]

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers inquiries in lieu of scoop, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/25/2012 08:55:03

Holcim

ST.LOUIS
111 East Carrie Ave.
St. Louis Missouri 63147

7530 Customer Service S21923728
1-800-854-4656

Bill of Lading: S21923728

Ship To #0001168996

Shipping Information Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
1835 NORTH TOPEKA STREET
EL DORADO KS 67042

Ship Date 05/24/2012 Time In: 9:09
Rq.Div.Date/Time Time Out: 9:15
Customer PO/Dt
Customer Number
Reference

Conditions

Scaled Weight (Bulk Only)

Delivery FP	Gross Weight	78,540 lb	35,625 kg
Route	Tare Weight	25,740 lb	11,675 kg
	Net Weight	52,800 lb	23,949 kg

Carrier/Vehicle Details
Carrier Code 0004002414
Carrier Name JP TRANSPORT
Contract#
Vehicle Jp Transport 118/216

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight	
0014	GRANCEM 100	6003	7530	52,800 lb	26.400 tn	23.950 to

Total Weight 26.400 tn 23.950 to

Shipping Instruction

MODOT
This is to certify that this grade 100 GGBFS originated from a MODOT qualified manufacturer and has been maintained to meet MODOT specifications and was loaded from Silo No. 6003
and
IL-DOT Grade 100 IL-DOT Material Code No.37821 from
[illegible]

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805711978

1210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 05/25/2012 Time In: 07:20
Rq.Div.Date/Time 00:00 Time Out: 07:28
Customer PO/Dt 2-3529-0086
Order Number/Date 1100288859 / 05/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)

Delivery FP	Gross Weight	79,620 lb
Route	Tare Weight	25,920 lb
	Net Weight	53,700 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,700 lb	26.850 tn

Total Weight 26.850 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.
Specifications for Highway Construction, ASTM C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal

[illegible]

For U.S. Sales, If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the shipment moves by rail, the description and weight indicated on this bill of lading are correct, subjected to verification by the individual railroad or Western Weighing Bureau, whichever has jurisdiction according to agreement.

For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers inquiries in lieu of scoop, not a part of Bill of Lading as approved by I.C.C

Subjected to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD 800 AAMEYER 05/25/2012 08:26:33

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4858

805711982

Bill of Lading:

Ship To/#1188896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREHT
EL DORADO KS 67042
USA

Shipping Information
Ship Date 05/25/2012 Time In: 08:13
Rq.Dlv.Date/Time 00:00 Time Out: 08:18
Customer PO/Dt 2-3529-0085
Order Number/Date 1100288884 / 05/25/2012
Customer Number 34546
Reference

Conditions

Gross Weight	79,060 lb
Tare Weight	26,200 lb
Net Weight	52,860 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Slo	Vat. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,860 lb	26.430 tn
			Total Weight		26.430 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements Ka..
Specifications for Highway Construction, ASTM C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper begins in lieu of stamp, not a part of B/l of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMYER 05/25/2012 08:18:07

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4480405-26823727 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4489405
Sales Order No. / Shipment No.	42276014 / 26823727
Shipment Date	05/24/12
Customer Requested Delivery Date	05/24/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Slo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	14:27 14:30	2	78,140		30,060	48,080	24.040

86

BULK STANDARD	FUEL-B	NO_BELOW	Total US	78,140 *	30,060 *	48,080 *	24.040 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1625CTS	522CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4489843-26828778 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4489843
Sales Order No. / Shipment No.	42276014 / 26828778
Shipment Date	05/25/12
Customer Requested Delivery Date	05/24/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Slo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	00:03 00:20	2	79,900		29,860	50,100	25.050

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,900 *	29,860 *	50,100 *	25.050 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	2324CTS	083CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4489826-26823795 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4489826
Sales Order No. / Shipment No.	42276014 / 26823795
Shipment Date	05/24/12
Customer Requested Delivery Date	05/24/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Slo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	22:19 22:30	2	79,920		30,680	49,240	24.620

86

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,920 *	30,680 *	49,240 *	24.620 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
10	CUSTOMER PICKUP	99999	1630CTS	392CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Collect
Shipper Signature/ Date
Driver Signature / Date 5-24-12
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714777

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 05:26
Rq.Div.Date/Time 00:00 — Time Out: 05:30
Customer PO/Dt 2-3529-0086
Order Number/Date 1100280135 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 27,040 lb
Net Weight 52,440 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,440 lb	26.220 tn

Total Weight 26.220 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AANEYER 05/29/2012 06:30:42

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805720632

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 04:47
Rq.Div.Date/Time 00:00 — Time Out: 04:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100300358 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,400 lb
Tare Weight 26,320 lb
Net Weight 53,080 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7657

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,080 lb	26.540 tn

Total Weight 26.540 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AANEYER 05/29/2012 06:53:06

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714775

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 05:09
Rq.Div.Date/Time 00:00 — Time Out: 05:15
Customer PO/Dt 2-3529-0086
Order Number/Date 1100280133 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 82,320 lb
Tare Weight 28,660 lb
Net Weight 53,660 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7308

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,660 lb	26.830 tn

Total Weight 26.830 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AANEYER 05/29/2012 06:18:43

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805698115

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 07:54
Rq.Div.Date/Time 00:00 — Time Out: 07:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100188979 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,360 lb
Tare Weight 25,820 lb
Net Weight 53,540 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,540 lb	26.770 tn

Total Weight 26.770 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AANEYER 05/29/2012 06:59:29

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805714774

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 06:02
Rq.Dlv.Date/Time 00:00 — Time Out: 06:07
Customer PO/Dt 2-3529-0088
Order Number/Date 1100280132 / 05/29/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 25,600 lb
Net Weight 54,080 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7599

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn

Total Weight 27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers logoes in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 05/29/2012 06:07:32

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805714776

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 06:18
Rq.Dlv.Date/Time 00:00 — Time Out: 06:24
Customer PO/Dt 2-3529-0088
Order Number/Date 1100280134 / 05/29/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,980 lb
Tare Weight 24,840 lb
Net Weight 54,140 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,140 lb	27.070 tn

Total Weight 27.070 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers logoes in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 05/29/2012 06:24:28

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805715356

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 08:03
Rq.Dlv.Date/Time 00:00 — Time Out: 08:08
Customer PO/Dt 2-3529-0088
Order Number/Date 1100285547 / 05/29/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 25,280 lb
Net Weight 54,200 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 121

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,200 lb	27.100 tn

Total Weight 27.100 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers logoes in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 05/29/2012 09:08:38

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805715686

Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 — Time In: 12:37
Rq.Dlv.Date/Time 00:00 — Time Out: 12:42
Customer PO/Dt 2-3529-0088
Order Number/Date 1100281156 / 05/29/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,140 lb
Net Weight 53,360 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,360 lb	26.680 tn

Total Weight 26.680 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers logoes in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 05/29/2012 13:42:07

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805719254

Customer Service 1-800-864-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 Time In: 04:55
Rq.Div.Date/Time 00:00 Time Out: 05:00
Customer PO/Dt 2-3529-0086
Order Number/Date 1100279398 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 25,880 lb
Net Weight 53,600 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7650
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,600 lb	26.800 tn
			Total Weight		26.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/29/2012 09:00:28

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805717845

Customer Service 1-800-864-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 Time In: 06:47
Rq.Div.Date/Time 00:00 Time Out: 06:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100303801 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,720 lb
Tare Weight 26,540 lb
Net Weight 53,180 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,180 lb	26.590 tn
			Total Weight		26.590 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/29/2012 07:53:12

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805718860

Customer Service 1-800-864-4656

Bill of Lading:

Ship To #1168996

Shipping Information — Page 1 of 1
Ship Date 05/29/2012 Time In: 12:30
Rq.Div.Date/Time 00:00 Time Out: 12:35
Customer PO/Dt 2-3529-0086
Order Number/Date 1100301846 / 05/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,460 lb
Net Weight 53,080 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7657
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,080 lb	26.540 tn
			Total Weight		26.540 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of stamp, not a part of B/L of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 05/29/2012 13:33:14

LAFARGE NORTH AMERICA

Lafarge North America

#1 7:30

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expenses (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper

Page

Branch/Plant: 67505 SC IL Lafarge

Shipped To: 12663402 Remedial Const. Serv. 1835 N. Topeka St. El Dorado, KS

BOL No. / Load No.	M801412
Sales Order No. / Shipment No.	
Shipment Date	5-25-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Type I/II		1		77560		29680	47880	23.94
		(4)						
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	31186	1619	986	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature / Date

Driver Signature / Date

Customer Signature / Date

OPERATOR

M801412

LAFARGE NORTH AMERICA

Lafarge North America

#2 10:27

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Page

BOL No. / Load No.	M801413
Sales Order No. / Shipment No.	
Shipment Date	5-29-12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Branch/Plant: 67505 Lafarge SC II

Shipped To: 12603402 Remedial Const. Serv. 1835 N. Topeka St. El Dorado, KS

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TB
Type I/II			1	79460	29460	50000	25.00	
			Total US					
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS	311816	40	96	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Ship Stamp:

Shipper Signature/Date

Driver Signature/Date

Customer Signature / Date

M801413

OPERATOR

LAFARGE NORTH AMERICA

Lafarge North America Inc.

4494184-28853711

SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

#3 12:56

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transportation of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Page 1 of 1

BOL No. / Load No.	4494184
Sales Order No. / Shipment No.	42328830 / 28853711
Shipment Date	05/29/12
Customer Requested Delivery Date	05/29/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67505 SUGAR CREEK PLANT, 2200 COURTNEY RD, CUGAR CREEK MO 64060, (816) 297-6178

Shipped To: 12603402 REMEDIAL CONSTRUCTION SERVICES L, 1835 N TOPEKA ST, EL DORADO KS 67042, ()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TB
TYPE I/II - LOW ALKALI	GL100007506	09:19 09:22	2	78,420		30,380	48,040	24.020
BULK STANDARD	FUEL-B	NO_BELOW	Total US	78,420 *		30,380 *	48,040 *	24.020 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1625CTS	522CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

Ship Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (LH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim KANSAS CITY, 1415 WARREN ST, NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

804969120

Bill of Lading:

Ship To #1168898

Shipping Information — Page 1 of 1

Ship Date 05/30/2012 Time In: 11:56
Rq.Div.Date/Time 00.00 Time Out: 12:02
Customer PO/Dt 2-3529-0086
Order Number/Date 1100160434 / 05/30/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,600 lb
Tare Weight	25,520 lb
Net Weight	54,080 lb

Carrier/Vehicle Details

Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn
			Total Weight		27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Per U.S. Rules, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". If the shipper makes no entry, the carrier will be required to accept the description and weight declared on the bill of lading as correct, subjected to verification of the individual shipper's or carrier's weighing facilities, which will be performed according to agreement.

Per U.S. Rules, the paper bags used for this shipment conform to the specifications and rules set forth in the prevailing Rail and Motor Classifications

Shipper hereby in lieu of stamp, use a part of Bill of Lading as approved by I.C.C

Loaded By:

Driver

Customer

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-800 AAMEVER 05/30/2012 13:02:51

Holcim KANSAS CITY, 1415 WARREN ST, NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4656

804969119

Bill of Lading:

Ship To #1168898

Shipping Information — Page 1 of 1

Ship Date 05/30/2012 Time In: 11:51
Rq.Div.Date/Time 00:00 Time Out: 11:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100160433 / 05/30/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,620 lb
Tare Weight	24,860 lb
Net Weight	54,760 lb

Carrier/Vehicle Details

Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 121

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,760 lb	27.380 tn
			Total Weight		27.380 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Per U.S. Rules, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". If the shipper makes no entry, the carrier will be required to accept the description and weight declared on the bill of lading as correct, subjected of verification of the individual shipper's or carrier's weighing facilities, which will be performed according to agreement.

Per U.S. Rules, the paper bags used for this shipment conform to the specifications and rules set forth in the prevailing Rail and Motor Classifications

Shipper hereby in lieu of stamp, use a part of Bill of Lading as approved by I.C.C

Loaded By:

Driver Scott Hugh

Customer

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-800 AAMEVER 05/30/2012 12:56:31

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805715111

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/30/2012 — Time In: 04:40
Rq.Div.Date/Time 00:00 — Time Out: 04:46
Customer PO/Dt 2-3529-0088
Order Number/Date 1100297862 / 05/30/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 25,960 lb
Net Weight 53,500 lb

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,500 lb	26.750 tn

Total Weight 26.750 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/30/2012 05:45:23

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714987

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/30/2012 — Time In: 05:40
Rq.Div.Date/Time 00:00 — Time Out: 05:46
Customer PO/Dt 2-3529-0088
Order Number/Date 1100278756 / 05/30/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,160 lb
Tare Weight 25,480 lb
Net Weight 53,680 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,680 lb	26.840 tn

Total Weight 26.840 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/30/2012 06:46:51

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805720679

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/30/2012 — Time In: 08:27
Rq.Div.Date/Time 00:00 — Time Out: 08:34
Customer PO/Dt 2-3529-0088
Order Number/Date 1100307625 / 05/30/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 25,740 lb
Net Weight 53,880 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7660

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,880 lb	26.940 tn

Total Weight 26.940 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/30/2012 07:34:59

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805714802

5210 Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168998

Shipping Information — Page 1 of 1
Ship Date 05/30/2012 — Time In: 07:19
Rq.Div.Date/Time 00:00 — Time Out: 07:25
Customer PO/Dt 2-3529-0088
Order Number/Date 1100280178 / 05/30/2012
Customer Number 34646
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,660 lb
Tare Weight 25,580 lb
Net Weight 54,080 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn

Total Weight 27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 05/30/2012 06:26:10

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805719684

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/30/2012 — Time In: 06:18
Rq.Div.Date/Time 00.00 — Time Out: 06:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100304244 / 06/30/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 25,940 lb
Net Weight 53,640 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,640 lb	26.820 tn

Total Weight 26.820 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/30/2012 07:28:08

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805720455

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/30/2012 — Time In: 04:33
Rq.Div.Date/Time 00:00 — Time Out: 04:38
Customer PO/Dt 2-3529-0086
Order Number/Date 1100299813 / 06/30/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 25,300 lb
Net Weight 54,340 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 121

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,340 lb	27.170 tn

Total Weight 27.170 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/30/2012 08:38:28

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805719308

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/30/2012 — Time In: 08:02
Rq.Div.Date/Time 00:00 — Time Out: 08:08
Customer PO/Dt 2-3529-0086
Order Number/Date 1100303849 / 06/30/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 25,900 lb
Net Weight 53,560 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,560 lb	26.780 tn

Total Weight 26.780 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/30/2012 07:06:39

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805715687

5210 Customer Service 1-800-854-4656

Ship To #1188998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/29/2012 — Time In: 12:49
Rq.Div.Date/Time 00:00 — Time Out: 12:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100291167 / 06/29/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,820 lb
Tare Weight 27,020 lb
Net Weight 52,800 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,800 lb	26.400 tn

Total Weight 26.400 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/22/2012 13:58:59

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805715112

SUU Customer Service 1-800-854-4668

Bill of Lading:

Ship To #1166996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1

Ship Date	05/30/2012	Time In:	04:51
Rq.Dlv.Date/Time	00:00	Time Out:	04:57
Customer PO/Dt	2-3529-0098		
Order Number/Date	1100297863 / 05/30/2012		
Customer Number	34546		
Reference			

Conditions — Scaled Weight (Bulk Only)

Delivery	FP	Gross Weight	79,500 lb
Route		Tare Weight	26,040 lb
		Net Weight	53,460 lb

Carrier/Vehicle Details

Carrier Code		Certified For State	
Carrier Name		Job Number	
Contract #		Acc. Charge	
Vehicle	7310	Equip. Type	6000056

Shipping Details

Material	Description	Silo	Veh. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,460 lb	26.729 tn
			Total Weight		26.729 tn

ENVIROCORE

Shipping Instruction

[illegible]

For U.S. Sales, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. [illegible]	For U.S. Sales, the paper bags used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications
Shipper [illegible] in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.	Loaded By:
Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement: The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.	Driver [signature]
(Signature of consignor)	Customer

PRD-900 AAMEYER 05/30/2012 05 57.52

LAFARGE NORTH AMERICA — Lafarge North America Inc.

4495600-28853796 SEE OTHER CONDITIONS ON THE BACK #1 7:35 **ORIGINAL**

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges. Page 1 of 1

Signature of Shipper: ______

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4495600
Sales Order No. / Shipment No.	42328830 / 28853796
Shipment Date	05/29/12
Customer Requested Delivery Date	05/29/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	18:25 18:28	1	79,820		27,920	51,900	25.950
BULK FUEL-B NO_BELOW STANDARD			Total US	79,820 *		27,920 *	51,900 *	25.950 *
			Total CA					
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1517CTS	178CTS	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid — Shipper Signature/ Date — Driver Signature / Date — Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) **OPERATOR**

LAFARGE NORTH AMERICA — Lafarge North America Inc.

4495077-28803868 SEE OTHER CONDITIONS ON THE BACK #2 10:57 **ORIGINAL**

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges. Page 1 of 1

Signature of Shipper: ______

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4495077
Sales Order No. / Shipment No.	42328830 / 28803868
Shipment Date	05/29/12
Customer Requested Delivery Date	05/29/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	23:46 23:52	1	80,060		28,380	51,680	25.840
BULK FUEL-B NO_BELOW STANDARD			Total US	80,060 *		28,380 *	51,680 *	25.840 *
			Total CA					
Additional Sales Order No. - If Applicable								

(4)

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	769CTS	523CTS	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid — Shipper Signature/ Date — Driver Signature / Date — Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) **OPERATOR**

LAFARGE NORTH AMERICA — Lafarge North America Inc.

4495787-28804862 SEE OTHER CONDITIONS ON THE BACK #3 11:05 **ORIGINAL**

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges. Page 1 of 1

Signature of Shipper: ______

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4495787
Sales Order No. / Shipment No.	42328830 / 28804862
Shipment Date	05/30/12
Customer Requested Delivery Date	05/30/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP — Customer Purchase Order No.:

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	04:02 04:10	1	79,980		29,660	50,320	25.160
BULK FUEL-B NO_BELOW STANDARD			Total US	79,980 *		29,660 *	50,320 *	25.160 *
			Total CA					
Additional Sales Order No. - If Applicable								

(4)

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	770CTS	525CTS	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid — Shipper Signature/ Date — Driver Signature / Date — Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) **OPERATOR**

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805717124

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 Time In: 04:40
Rq.Dlv.Date/Time 00:00 Time Out: 04:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100316563 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,420 lb
Tare Weight 25,260 lb
Net Weight 54,160 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,160 lb	27.080 tn
			Total Weight		27.080 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 05/31/2012 05:46:19

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805717125

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 Time In: 04:48
Rq.Dlv.Date/Time 00:00 Time Out: 04:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100316564 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 26,040 lb
Net Weight 53,480 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 05/31/2012 05:53:18

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805718073

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 Time In: 06:53
Rq.Dlv.Date/Time 00:00 Time Out: 06:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100311729 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 25,820 lb
Net Weight 53,640 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7560

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,640 lb	26.820 tn
			Total Weight		26.820 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 05/31/2012 06:58:22

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805718072

Customer Service 1-800-854-4656

Bill of Lading:

Ship To #1188998

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 Time In: 06:46
Rq.Dlv.Date/Time 00:00 Time Out: 06:51
Customer PO/Dt 2-3529-0086
Order Number/Date 1100311728 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,280 lb
Tare Weight 26,020 lb
Net Weight 53,260 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7567

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,260 lb	26.630 tn
			Total Weight		26.630 tn

ENVIROCORE

Shipping Instruction

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 05/31/2012 06:51:18

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805722617

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 — Time In: 04:34
Rq.Div.Date/Time 00:00 — Time Out: 04:38
Customer PO/Dt 2-3529-0086
Order Number/Date 1100320637 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 25,080 lb
Net Weight 54,460 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 121

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,460 lb	27.230 tn

Total Weight 27.230 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 900 AAMEYER 05/31/2012 06:38:20

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805717130

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 — Time In: 05:06
Rq.Div.Date/Time 00:00 — Time Out: 05:12
Customer PO/Dt 2-3529-0086
Order Number/Date 1100316588 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,780 lb
Tare Weight 25,840 lb
Net Weight 53,940 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,940 lb	26.970 tn

Total Weight 26.970 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 900 AAMEYER 05/31/2012 08:12:38

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805722616

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/31/2012 — Time In: 04:27
Rq.Div.Date/Time 00:00 — Time Out: 04:31
Customer PO/Dt 2-3529-0086
Order Number/Date 1100320636 / 05/31/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 25,660 lb
Net Weight 53,900 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 900 AAMEYER 05/31/2012 05:31:39

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805719325

5210 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 05/30/2012 — Time In: 14:35
Rq.Div.Date/Time 00:00 — Time Out: 14:40
Customer PO/Dt 2-3529-0086
Order Number/Date 1100303588 / 05/30/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 80,000 lb
Tare Weight 26,700 lb
Net Weight 53,300 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,300 lb	26.650 tn

Total Weight 26.650 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 900 AAMEYER 05/30/2012 15:40:33

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4497077-28376159 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliate (Shipper) on the date of issue of this Bill of Lading the properly described herein, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges

Signature of Shipper: _____

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4497077
Sales Order No.	42328830
Shipment No.	28870150
Shipment Date	05/30/12
Customer Requested Delivery Date	05/30/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	15:30 15:31	1	78,180		28,180	50,000	25.000

BULK STANDARD FUEL-B NO_BELOW

Total US	78,180 *	28,180 *	50,000 *	25.000 *
Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1602CTS	0513CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO.
The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4429679-28300181 SEE OTHER CONDITIONS ON THE BACK

#2 11:58

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliate (Shipper) on the date of issue of this Bill of Lading the properly described herein, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges

Signature of Shipper: _____

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4497939
Sales Order No.	42328830
Shipment No.	28860101
Shipment Date	05/30/12
Customer Requested Delivery Date	05/30/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	15:07 15:16	1	70,920		29,840	50,080	25.040

BULK STANDARD FUEL-B NO_BELOW

Total US	70,920 *	29,840 *	50,080 *	25.040 *
Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	2324CTS	983CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO.
The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4498120-28376528 SEE OTHER CONDITIONS ON THE BACK

#3 12:24

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliate (Shipper) on the date of issue of this Bill of Lading the properly described herein, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges

Signature of Shipper: _____

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4498120
Sales Order No.	42328830
Shipment No.	28876580
Shipment Date	05/30/12
Customer Requested Delivery Date	05/30/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	17:16 17:22	1	78,080		27,840	50,240	25.120

BULK STANDARD FUEL-B NO_BELOW

Total US	78,080 *	27,840 *	50,240 *	25.120 *
Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1508CTS	815CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Certification Statement
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO.
The cement is further certified to comply with Kansas DOT specification of 5 % maximum limestone addition.
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805720502

Customer Service
1-800-854-4656

SHP To: 1166896

Bill of Lading:

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information
Ship Date 06/01/2012 Time In: 05:17
Rq.Div.Date/Time 00:00 Time Out: 05:22
Customer PO/Dt 2-3829-0086
Order Number/Date 1100323371 / 06/01/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Bulkhd Weight (bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,240 lb
Net Weight 53,260 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,260 lb	26.630 tn

Total Weight 26.630 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ks.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 AAMSYER 06/01/2012 09:22:59

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805719378

5210 Customer Service
1-800-864-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/01/2012 — Time In: 04:28
Rq.Div.Date/Time 00:00 — Time Out: 04:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100329742 / 06/01/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,540 lb
Tare Weight 26,240 lb
Net Weight 53,300 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 118

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,300 lb	26.650 tn

Total Weight 26.650 tn

ENVIROCORE

Shipping Instruction

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/01/2012 06:23:04

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805722073

5210 Customer Service
1-800-864-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/01/2012 — Time In: 04:42
Rq.Div.Date/Time 00:00 — Time Out: 04:48
Customer PO/Dt 2-3529-0086
Order Number/Date 1100323461 / 06/01/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,400 lb
Tare Weight 25,940 lb
Net Weight 53,460 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,460 lb	26.729 tn

Total Weight 26.729 tn

ENVIROCORE

Shipping Instruction

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/01/2012 05:48:34

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805720501

5210 Customer Service
1-800-864-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/01/2012 — Time In: 05:10
Rq.Div.Date/Time 00:00 — Time Out: 05:15
Customer PO/Dt 2-3529-0086
Order Number/Date 1100323369 / 06/01/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 26,060 lb
Net Weight 53,620 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,620 lb	26.810 tn

Total Weight 26.810 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/01/2012 06:18:02

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805719381

5210 Customer Service
1-800-864-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/01/2012 — Time In: 04:50
Rq.Div.Date/Time 00:00 — Time Out: 04:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100328745 / 06/01/2012
Customer Number 34646
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 25,280 lb
Net Weight 54,180 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,180 lb	27.090 tn

Total Weight 27.090 tn

ENVIROCORE

Shipping Instruction

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/01/2012 05:56:36

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805722072

Ship To #1186996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/01/2012 — Time In: 04:35
Rq.Div.Date/Time 00:00 — Time Out: 04:39
Customer PO/Dt 2-3629-0086
Order Number/Date 1100323460 / 06/01/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4002414
Carrier Name JP TRANSPORT
Contract#
Vehicle 121

Sealed Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 25,220 lb
Net Weight 54,280 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,280 lb	27.140 tn
			Total Weight		27.140 tn

ENVIROCORE

Shipping Instruction

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/01/2012 05:33:58

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805723598

Ship To #1186996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 04:38
Rq.Div.Date/Time 00:00 — Time Out: 04:43
Customer PO/Dt 2-3629-0086
Order Number/Date 1100372476 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Sealed Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 25,700 lb
Net Weight 53,920 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,920 lb	26.960 tn
			Total Weight		26.960 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/07/2012 06:43:17

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805723596

Ship To #1186996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 04:22
Rq.Div.Date/Time 00:00 — Time Out: 04:27
Customer PO/Dt 2-3629-0086
Order Number/Date 1100372473 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Sealed Weight (Bulk Only)
Gross Weight 79,380 lb
Tare Weight 26,440 lb
Net Weight 52,940 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,940 lb	26.470 tn
			Total Weight		26.470 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/07/2012 05:37:51

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4656

Bill of Lading: 805728466

Ship To #1186996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 06:57
Rq.Div.Date/Time 00:00 — Time Out: 07:02
Customer PO/Dt 2-3629-0086
Order Number/Date 1100389240 / 06/07/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7857

Sealed Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,440 lb
Net Weight 53,100 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,100 lb	26.550 tn
			Total Weight		26.550 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 TUBATY 06/07/2012 08:02:47

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805729643

5210 Customer Service 1-800-854-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 05:51
Rq.Div.Date/Time 00:00 — Time Out: 05:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100364646 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Sealed Weight (Bulk Only)
Gross Weight 78,440 lb
Tare Weight 24,820 lb
Net Weight 53,620 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000086799
Contract#
Vehicle R77053
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,620 lb	26.810 tn

Total Weight 26.810 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver R Benson
Customer

PRD-900 TUBERTY 06/07/2012 06:58:06

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805728464

5210 Customer Service 1-800-854-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 06:21
Rq.Div.Date/Time 00:00 — Time Out: 06:26
Customer PO/Dt 2-3529-0086
Order Number/Date 1100369236 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Sealed Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 26,000 lb
Net Weight 53,600 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,600 lb	26.800 tn

Total Weight 26.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 TUBERTY 06/07/2012 07:26:55

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805721582

5210 Customer Service 1-800-854-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 05:20
Rq.Div.Date/Time 00:00 — Time Out: 05:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100363657 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Sealed Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 25,840 lb
Net Weight 53,760 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,760 lb	26.881 tn

Total Weight 26.881 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 TUBERTY 06/07/2012 06:26:32

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805723597

5210 Customer Service 1-800-854-4666

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 04:29
Rq.Div.Date/Time 00:00 — Time Out: 04:35
Customer PO/Dt 2-3529-0086
Order Number/Date 1100372474 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Sealed Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 26,360 lb
Net Weight 53,340 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,340 lb	26.670 tn

Total Weight 26.670 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver B Gold
Customer

PRD-900 AAMEYER 06/07/2012 06:35:47

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

5310 Customer Service
1-800-854-4656

805721586

Bill of Lading:

Shipping Information
Ship Date 06/07/2012 Time In: 06:00
Rq.Dlv.Date/Time 00:00 Time Out: 06:04
Customer PO/Dt 2-3529-0086
Order Number/Date 1100363861 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions / Bolted Weight (lbs/kg Only)
Gross Weight 79,200 lb
Tare Weight 24,760 lb
Net Weight 54,440 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R50067
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,440 lb	27.220 tn
			Total Weight		27.220 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 TUSKRTY 06/07/2012 07:04:51

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

5310 Customer Service
1-800-854-4656

805723594

Bill of Lading:

Shipping Information
Ship Date 06/07/2012 Time In: 04:15
Rq.Dlv.Date/Time 00:00 Time Out: 04:20
Customer PO/Dt 2-3529-0086
Order Number/Date 1100372471 / 06/07/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions / Bolted Weight (lbs/kg Only)
Gross Weight 79,400 lb
Tare Weight 25,380 lb
Net Weight 54,020 lb
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,020 lb	27.009 tn
			Total Weight		27.009 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 AAMEYER 06/07/2012 09:20:37

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4511841-28661063 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-6178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4511841
Sales Order No.	42328830
Shipment No.	28901663
Shipment Date	06/06/12
Customer Requested Delivery Date	06/06/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	22:10 22:17	2	79,660		31,200	48,460	24.230
BULK STANDARD FUEL-B NO_BELOW			Total US	79,660 *		31,200 *	48,460 *	24.230 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1629CTS	986CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature / Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS).

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4511814-28646416 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-6178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4511814
Sales Order No.	42328830
Shipment No.	28946416
Shipment Date	06/06/12
Customer Requested Delivery Date	06/06/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	19:36 19:41	2	78,080		27,060	51,020	25.510
BULK STANDARD FUEL-B NO_BELOW			Total US	78,080 *		27,060 *	51,020 *	25.510 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1502CTS	810CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature / Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS).

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any ex-bin transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agree to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. NON-REDOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper _____

Page 1 of 1

BOL No.	4511854
Load No.	
Sales Order No.	42328830
Shipment No.	28981884
Shipment Date	06/08/12
Customer Requested Delivery Date	06/08/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64060
(816) 257-5176

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	620	Bags or Gross LB	PLT	Deg Wgt or Tare LB	Net LB	Total TS
TYPE MI - LOW ALKALI	dl.100007505	23:28	23:34	2	70,000	29,180	50,820	25.410

BULK STANDARD	FUEL-B	NO_BELOW	Total US	70,000 *	29,180 *	50,820 *	25.410 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	769CTS	523CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the IDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type MI-- THIS CERTIFIES THAT TYPE MI CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805723337

Customer Service
1-800-854-4656

Bill of Lading:

Ship to: #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information
Ship Date 06/08/2012 Time In: 04:53
Rq.Div.Date/Time 00:00 Time Out: 04:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100364685 / 06/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 25,780 lb
Net Weight 53,740 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,740 lb	26.869 tn

Total Weight 26.869 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60817/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD 900 AAMEYER 06/08/2012 06:00:22

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805723333

Customer Service
1-800-854-4656

Bill of Lading:

Ship to: #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information
Ship Date 06/08/2012 Time In: 04:21
Rq.Div.Date/Time 00:00 Time Out: 04:27
Customer PO/Dt 2-3529-0086
Order Number/Date 1100364685 / 06/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 25,240 lb
Net Weight 54,100 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7302
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,100 lb	27.050 tn

Total Weight 27.050 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60817/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD 900 AAMEYER 06/08/2012 05:27:32

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805729896

Customer Service
1-800-854-4656

Bill of Lading:

Ship to: #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information
Ship Date 06/08/2012 Time In: 05:48
Rq.Div.Date/Time 00:00 Time Out: 05:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100374791 / 06/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,600 lb
Tare Weight 25,660 lb
Net Weight 52,940 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000086799
Contract#
Vehicle 37227
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,940 lb	26.470 tn

Total Weight 26.470 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60817/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD 900 AAMEYER 06/08/2012 06:53:41

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805723334

5210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/08/2012 — Time In: 04:29
Rq.Div.Date/Time 00:00 — Time Out: 04:35
Customer PO/Dt 2-3529-0086
Order Number/Date 1100354686 / 06/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 26,280 lb
Net Weight 53,520 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7241

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn

Total Weight 26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/08/2012 05:35:27

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805726370

5210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/07/2012 — Time In: 11:12
Rq.Div.Date/Time 00:00 — Time Out: 11:17
Customer PO/Dt 2-3529-0086
Order Number/Date 1100367100 / 06/07/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 80,260 lb
Tare Weight 28,160 lb
Net Weight 52,100 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,100 lb	26.050 tn

Total Weight 26.050 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/07/2012 12:17:44

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805723343

5210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/08/2012 — Time In: 05:40
Rq.Div.Date/Time 00:00 — Time Out: 05:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100354695 / 06/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 25,220 lb
Net Weight 54,280 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066789
Contract#
Vehicle 50067

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,280 lb	27.140 tn

Total Weight 27.140 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/08/2012 05:49:12

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805723338

5210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/08/2012 — Time In: 05:01
Rq.Div.Date/Time 00:00 — Time Out: 05:06
Customer PO/Dt 2-3529-0086
Order Number/Date 1100354690 / 06/08/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,380 lb
Tare Weight 25,760 lb
Net Weight 53,620 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,620 lb	26.810 tn

Total Weight 26.810 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of scamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/08/2012 06:06:53

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805723335

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/08/2012 Time In: 04:37
Rq.Div.Date/Time 00:00 Time Out: 04:43
Customer PO/Dt 2-3529-0086
Order Number/Date 1100354887 / 06/08/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,440 lb
Net Weight 53,060 lb

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7567

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,060 lb	26.530 tn

Total Weight 26.530 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD 800 AAMEYER 06/08/2012 08:43 56

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805731231

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/08/2012 Time In: 06:51
Rq.Div.Date/Time 00:00 Time Out: 06:57
Customer PO/Dt 2-3529-0086
Order Number/Date 1100372525 / 06/08/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,140 lb
Net Weight 53,440 lb

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn

Total Weight 26.720 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD 800 TLIBERTY 06/08/2012 07:57:58

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#1 7:50

Signature of Shipper

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4514280
Sales Order No.	42328830
Shipment No.	26981807
Shipment Date	06/07/12
Customer Requested Delivery Date	06/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	15:28 15:37	2	79,620		28,000	51,580	25.780

81

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,620 *	28,000 *	51,580 *	25.780 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311810	1521CTS	580CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#2 8:03

Signature of Shipper

Branch/Plant: 67505 SUGAR CREEK PLANT 2200 COURTNEY RD SUGAR CREEK MO 64050 (816) 257-5178

Shipped To: 12663402 REMEDIAL CONSTRUCTION SERVICES LP 1835 N TOPEKA ST EL DORADO KS 67042 ()

BOL No. / Load No.	4514300
Sales Order No.	42328830
Shipment No.	26973417
Shipment Date	06/07/12
Customer Requested Delivery Date	06/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	15:45 15:53	2	79,020		30,780	48,240	24.120

81

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,020 *	30,780 *	48,240 *	24.120 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311810	1630CTS	392CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
6-8-12
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4514464-28973633 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or resulting from Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-REVOLVING: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____ Date: _____

Branch/Plant:
07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5170

Shipped To:
12683402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. Load No.	4514464
Sales Order No. / Shipment No.	42328830 / 28973633
Shipment Date	06/07/12
Customer Requested Delivery Date	06/07/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	BL100007505	18.44 18:51	2	79,900		29,180	50,720	25.360

BULK STANDARD | FUEL-B | NO_BELOW | Total US 79,900 * 29,180 * 50,720 * 25.360 *
Total CA

Additional Sales Order No. - If Applicable -

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1604CTS	387CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature / Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS). OPERATOR

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805729704

Customer Service 1-800-654-4656

Ship To: 1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:
Shipping Information: Page 1 of 1
Ship Date 06/11/2012 Time In: 04:34
Rq.Div.Date/Time 00:00 Time Out: 04:40
Customer PO/Dt 2-3529-0086
Order Number/Date 1100386202 / 06/11/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route
Scales Weight (Bulk Only)
Gross Weight 79,440 lb
Tare Weight 26,400 lb
Net Weight 53,040 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,040 lb	26.520 tn

Total Weight 26.520 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/11/2012 09:40:48

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805731518

Customer Service 1-800-654-4656

Ship To: 1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:
Shipping Information: Page 1 of 1
Ship Date 06/11/2012 Time In: 05:23
Rq.Div.Date/Time 00:00 Time Out: 05:27
Customer PO/Dt 2-3529-0086
Order Number/Date 1100383722 / 06/11/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route
Scales Weight (Bulk Only)
Gross Weight 78,440 lb
Tare Weight 26,520 lb
Net Weight 52,920 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000068799
Contract#
Vehicle 56516
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,920 lb	26.461 tn

Total Weight 26.461 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/11/2012 08:27:57

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

8057320[illegible]

Customer Service 1-800-654-4656

Ship To: 1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:
Shipping Information: Page 1 of 1
Ship Date 06/11/2012 Time In: 04:28
Rq.Div.Date/Time 00:00 Time Out: 04:32
Customer PO/Dt 2-3529-0086
Order Number/Date 1100389991 / 06/11/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route
Scales Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 26,840 lb
Net Weight 52,640 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,640 lb	26.321 tn

Total Weight 26.321 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper imprint in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/11/2012 08:32:28

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805729705

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 08/11/2012 — Time In: 04:43
Rq.Div.Date/Time 00:00 — Time Out: 04:50
Customer PO/Dt 2-3529-0086
Order Number/Date 1100368203 / 08/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 25,660 lb
Net Weight 53,900 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs then in effect on the date of issue of this Bill of Lading, the property described above in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification and Rules and Regulations of the carrier in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Agent of carrier has no authority to waive or modify the terms of this Bill of Lading.

For U.S. Sales, the cover logo used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver B. Gold
Customer

PRD-900 AAMEYER 08/11/2012 06:50:48

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805732060

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 08/11/2012 — Time In: 06:02
Rq.Div.Date/Time 00:00 — Time Out: 06:07
Customer PO/Dt 2-3529-0086
Order Number/Date 1100368994 / 08/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,260 lb
Net Weight 53,280 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,280 lb	26.640 tn

Total Weight 26.640 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs then in effect on the date of issue of this Bill of Lading, the property described above in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification and Rules and Regulations of the carrier in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Agent of carrier has no authority to waive or modify the terms of this Bill of Lading.

For U.S. Sales, the cover logo used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 08/11/2012 06:07:54

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805728524

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 08/11/2012 — Time In: 05:11
Rq.Div.Date/Time 00:00 — Time Out: 05:19
Customer PO/Dt 2-3529-0086
Order Number/Date 1100368310 / 08/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,380 lb
Net Weight 53,260 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,260 lb	26.630 tn

Total Weight 26.630 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs then in effect on the date of issue of this Bill of Lading, the property described above in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification and Rules and Regulations of the carrier in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Agent of carrier has no authority to waive or modify the terms of this Bill of Lading.

For U.S. Sales, the cover logo used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 08/11/2012 06:19:40

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805729706

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 08/11/2012 — Time In: 04:52
Rq.Div.Date/Time 00:00 — Time Out: 04:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100368204 / 08/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 25,640 lb
Net Weight 53,900 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7650

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn

Total Weight 26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs then in effect on the date of issue of this Bill of Lading, the property described above in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification and Rules and Regulations of the carrier in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Agent of carrier has no authority to waive or modify the terms of this Bill of Lading.

For U.S. Sales, the cover logo used for this shipment conform to the specifications and rules set forth in the governing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

Loaded By:
Driver
Customer

PRD-900 AAMEYER 08/11/2012 06:59:54

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

4517653-26976674 SEE OTHER CONDITIONS ON THE BACK

#2 0155

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. The property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No.	4517653
Load No.	
Sales Order No.	42328830
Shipment No.	26976674
Shipment Date	06/10/12
Customer Requested Delivery Date	06/07/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-6178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	23:41 23:46	1	79,980		28,180	51,800	25.900
BULK STANDARD FUEL-B NO_BELOW	Total US			79,980 *		28,180 *	51,800 *	25.900 *
	Total CA							
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	769CTS	523CTS	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

4518008-28993680 SEE OTHER CONDITIONS ON THE BACK

#2 1021

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. The property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No.	4518008
Load No.	
Sales Order No.	42328830
Shipment No.	28993680
Shipment Date	06/11/12
Customer Requested Delivery Date	06/11/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-6178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	08:11 08:17	2	79,280		30,700	48,580	24.290
BULK STANDARD FUEL-B NO_BELOW	Total US			79,280 *		30,700 *	48,580 *	24.290 *
	Total CA							
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1629CTS	986CTS	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

#3 ORIGINAL

4518160-28995420 SEE OTHER CONDITIONS ON THE BACK

2/18

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. The property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No.	4518160
Load No.	
Sales Order No.	42328830
Shipment No.	28995420
Shipment Date	06/11/12
Customer Requested Delivery Date	06/11/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-6178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	08:26 08:35	2	79,500		29,460	50,080	25.040
BULK STANDARD FUEL-B NO_BELOW	Total US			79,500 *		29,460 *	50,080 *	25.040 *
	Total CA							
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	770CTS	525CTS	
Rail Route Description		Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.	

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805698466

Silo Customer Service
1-800-654-4666

Ship To #1188896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENRGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information (Page 1 of 1)
Ship Date 06/11/2012 Time In: 14:39
Rq.Dlv.Date/Time 00:00 Time Out: 14:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100034369 / 06/11/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,600 lb
Tare Weight 26,220 lb
Net Weight 53,380 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000066

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,380 lb	26.690 tn
			Total Weight		26.690 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor shipment. Agreed by shipper and accepted for himself and his assigns.

The U.S. Sales, if the shipment moves between two ports by carrier by water, the law requires that the B.L. of Sales shall state whether it is "negotiable" or "non-negotiable". If the shipment moves by rail, the Bill of Lading shall state whether it is "negotiable" or "non-negotiable". Unless negotiable, the carrier will not be responsible for the delivery of the shipment to anyone other than the person lawfully entitled thereto.

The U.S. Sales, the gross legs used by this shipment conform to the specifications and tolerances set forth in the prevailing Rail and Motor classifications.

Shipper begins to line of scale, see a part of Bill of Lading as approved by I.C.C

Subject to section 7 of conditions, of applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignee, the consignee shall sign the following statement:
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignee)

Loaded By:
Driver
Customer

PRD-800 TUESDY 06/11/2012 18:47:39

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805734049

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 — Time In: 11:28
Rq.Div.Date/Time 00:00 — Time Out: 11:34
Customer PO/Dt 2-3529-0086
Order Number/Date 1100387493 / 06/12/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 25,980 lb
Net Weight 53,540 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,540 lb	26.770 tn

Total Weight 26.770 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 06/12/2012 12:34:25

805733685

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 — Time In: 11:48
Rq.Div.Date/Time 00:00 — Time Out: 11:51
Customer PO/Dt 2-3529-0086
Order Number/Date 1100405631 / 06/12/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 25,940 lb
Net Weight 53,640 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,640 lb	26.820 tn

Total Weight 26.820 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 06/12/2012 12:51:54

805698464

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/11/2012 — Time In: 12:51
Rq.Div.Date/Time 00:00 — Time Out: 12:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100034383 / 06/11/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 25,920 lb
Net Weight 53,580 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,580 lb	26.790 tn

Total Weight 26.790 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 06/11/2012 13:58:41

805733658

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 — Time In: 06:09
Rq.Div.Date/Time 00:00 — Time Out: 06:15
Customer PO/Dt 2-3529-0086
Order Number/Date 1100382685 / 06/12/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 25,200 lb
Net Weight 54,280 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,280 lb	27.140 tn

Total Weight 27.140 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 06/12/2012 06:15:48

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805731527

2210 Customer Service 1-800-854-4656

Ship To #1166996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/11/2012 — Time In: 08:17
Rq.Div.Date/Time 00:00 — Time Out: 08:22
Customer PO/Dt 2-3529-0086
Order Number/Date 1100383730 / 06/11/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 27,040 lb
Net Weight 52,540 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle 37227

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,540 lb	26.270 tn
			Total Weight		26.270 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignee)

FRD-900 AANSLYER 06/11/2012 07:22:04

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805698463

2210 Customer Service 1-800-854-4656

Ship To #1166996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/11/2012 — Time In: 12:31
Rq.Div.Date/Time 00:00 — Time Out: 12:36
Customer PO/Dt 2-3529-0086
Order Number/Date 1100034382 / 06/11/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,360 lb
Tare Weight 26,440 lb
Net Weight 52,920 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7857

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,920 lb	26.461 tn
			Total Weight		26.461 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignee)

FRD-900 TLIBERTY 06/11/2012 12:36:18

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805728974

2210 Customer Service 1-800-854-4656

Ship To #1166996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 — Time In: 08:19
Rq.Div.Date/Time 00:00 — Time Out: 08:25
Customer PO/Dt 2-3529-0086
Order Number/Date 1100400614 / 06/12/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 26,940 lb
Net Weight 53,700 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,700 lb	26.850 tn
			Total Weight		26.850 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignee)

FRD-900 TLIBERTY 06/12/2012 06:28:17

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805698462

2210 Customer Service 1-800-854-4656

Ship To #1166996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/11/2012 — Time In: 11:58
Rq.Div.Date/Time 00:00 — Time Out: 12:04
Customer PO/Dt 2-3529-0086
Order Number/Date 1100034381 / 06/11/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,580 lb
Tare Weight 26,240 lb
Net Weight 53,340 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,340 lb	26.670 tn
			Total Weight		26.670 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignee)

FRD-900 TLIBERTY 06/11/2012 13:04:43

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5210 Customer Service 1-800-854-4666

Bill of Lading: 805732710

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1833 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 Time In: 04:30
Rq.Dlv.Date/Time 00:00 Time Out: 04:36
Customer PO/Dt 2-3529-0086
Order Number/Date 1100404002 / 06/12/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,020 lb
Tare Weight 25,940 lb
Net Weight 52,080 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle 56515
Certified For State
Job Number
Acc. Charge
Equip. Type 5000068

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,080 lb	26.039 tn
			Total Weight		26.039 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka..
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawful tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as set forth herein, which said carrier (the word carrier meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading in effect on the date hereof (Section 1 of the Uniform Domestic Freight Bill of Lading and Rule 10 of Uniform Freight Classification, in effect on the date hereof, if this shipment is to be delivered to a carrier by rail or water, or the terms and conditions of the applicable motor carrier classification or tariff if this shipment is to be delivered to a motor carrier for transportation, and

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#3 11:46

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. The property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

Branch/Plant: 07505, SUGAR CREEK PLANT, 2200 COURTNEY RD, SUGAR CREEK MO 64050, (816) 257-5179

Shipped To: 12603402, REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, ()

BOL No. / Load No.	4520182
Sales Order No.	42328830
Shipment No.	20990537
Shipment Date	06/11/12
Customer Requested Delivery Date	06/11/12
Customer Requested Delivery Time (LT)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Dag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	23:46 23:52	1	70,880		28,040	51,840	25.920
BULK STANDARD FUEL-B NO_BELOW			Total US	70,880 *		28,040 *	51,840 *	25.920 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	769CTS	523CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of KDOT cement type I/II-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS).

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#4 12:5

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading. The property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

Branch/Plant: 07505, SUGAR CREEK PLANT, 2200 COURTNEY RD, SUGAR CREEK MO 64050, (816) 257-5178

Shipped To: 12603402, REMEDIAL CONSTRUCTION SERVICES LP, 1835 N TOPEKA ST, EL DORADO KS 67042, ()

BOL No. / Load No.	4520809
Sales Order No.	42328830
Shipment No.	29009309
Shipment Date	06/12/12
Customer Requested Delivery Date	06/12/12
Customer Requested Delivery Time (LT)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Dag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	07:16 07:25	2	78,200		27,700	50,500	25.250
BULK STANDARD FUEL-B NO_BELOW			Total US	78,200 *		27,700 *	50,500 *	25.250 *
			Total CA					

81

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1502CTS	810CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of KDOT cement type I/II-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS).

OPERATOR

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805737408

Customer Service
1-800-854-4656

Ship To #1168896

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 06/13/2012 — Time In: 03:53
Rq.Div.Date/Time 00:00 — Time Out: 03:58
Customer PO/Dt 2-3529-0086
Order Number/Date 1100400691 / 06/13/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,320 lb
Tare Weight	25,100 lb
Net Weight	54,220 lb

Carrier/Vehicle Details

Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	54,220 lb	27.110 tn

Total Weight 27.110 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TLIBERTY 06/13/2012 08:00:01

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805734067

Customer Service
1-800-854-4656

Ship To #1168896

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 06/13/2012 — Time In: 06:39
Rq.Div.Date/Time 00:00 — Time Out: 06:44
Customer PO/Dt 2-3529-0086
Order Number/Date 1100397828 / 06/13/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,420 lb
Tare Weight	26,460 lb
Net Weight	52,960 lb

Carrier/Vehicle Details

Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7657

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	52,960 lb	26.480 tn

Total Weight 26.480 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of stamp, are a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TLIBERTY 06/13/2012 07:44:18

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805737210

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/13/2012 — Time In: 05:26
Rq.Div.Date/Time 00:00 — Time Out: 05:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406637 / 06/13/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 26,500 lb
Net Weight 53,960 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R97068

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,960 lb	26.980 tn
			Total Weight		26.980 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper inspire in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/13/2012 06:33:37

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805737209

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/13/2012 — Time In: 05:21
Rq.Div.Date/Time 00:00 — Time Out: 05:26
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406636 / 06/13/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 78,020 lb
Tare Weight 26,560 lb
Net Weight 51,460 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R56515

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,460 lb	25.730 tn
			Total Weight		25.730 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper inspire in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/13/2012 06:26:11

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805733695

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 — Time In: 13:24
Rq.Div.Date/Time 00:00 — Time Out: 13:29
Customer PO/Dt 2-3529-0086
Order Number/Date 1100405644 / 06/12/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,360 lb
Tare Weight 25,940 lb
Net Weight 53,420 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn
			Total Weight		26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper inspire in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/12/2012 14:29:38

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

Customer Service
1-800-654-4656

Bill of Lading: 805724322

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/12/2012 — Time In: 12:24
Rq.Div.Date/Time 00:00 — Time Out: 12:31
Customer PO/Dt 2-3529-0086
Order Number/Date 1100388243 / 06/12/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,380 lb
Tare Weight 26,420 lb
Net Weight 52,960 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,960 lb	26.480 tn
			Total Weight		26.480 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper inspire in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/12/2012 13:31:56

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805737211

5210 Customer Service 1-800-654-4656

Bill of Lading:

Ship To: 7/1168996 Page 1 of 1

Shipping Information

Ship Date 06/13/2012 Time In: 05:35
Rq.Dlv.Date/Time 00:00 Time Out: 05:42
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406638 / 06/13/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions — Scaled Weight (Bulk Only)

Gross Weight 79,560 lb
Tare Weight 26,120 lb
Net Weight 53,440 lb

Delivery FP
Route

Carrier/Vehicle Details

Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn

Total Weight 26.720 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper begins to lose of scoop, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TLIBERTY 06/13/2012 06:42:45

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805733726

5210 Customer Service 1-800-654-4656

Bill of Lading:

Ship To: 7/1168996 Page 1 of 1

Shipping Information

Ship Date 06/13/2012 Time In: 06:29
Rq.Dlv.Date/Time 00:00 Time Out: 06:36
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406764 / 06/13/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions — Scaled Weight (Bulk Only)

Gross Weight 79,400 lb
Tare Weight 25,920 lb
Net Weight 53,480 lb

Delivery FP
Route

Carrier/Vehicle Details

Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn

Total Weight 26.741 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper begins to lose of scoop, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TLIBERTY 06/13/2012 07:38:49

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805698469

5210 Customer Service 1-800-654-4656

Bill of Lading:

Ship To: 7/1168996 Page 1 of 1

Shipping Information

Ship Date 06/13/2012 Time In: 08:00
Rq.Dlv.Date/Time 00:00 Time Out: 08:06
Customer PO/Dt 2-3529-0086
Order Number/Date 1100034388 / 06/13/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions — Scaled Weight (Bulk Only)

Gross Weight 79,520 lb
Tare Weight 29,840 lb
Net Weight 49,680 lb

Delivery FP
Route

Carrier/Vehicle Details

Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 28
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	49,680 lb	24.840 tn

Total Weight 24.840 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper begins to lose of scoop, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMYER 06/13/2012 09:08:04

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-3175

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No.	4522615
Load No.	
Sales Order No.	42328630
Shipment No.	29011604
Shipment Date	06/12/12
Customer Requested Delivery Date	06/12/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	dL100007505	10.22	10.27	1	79,400	28,320	51,140	25.570

BULK STANDARD	FUEL-D	NO_BELOW	Total US	79,400 *	28,320 *	51,140 *	25.570 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1619CTS	518CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-
THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT, QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4522605-20022370

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

#2 9:15

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described herein, in apparent good order, except as noted marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1

NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper

BOL No.	4522605
Load No.	
Sales Order No.	42328830
Shipment No.	29022370
Shipment Date	06/12/12
Customer Requested Delivery Date	06/12/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT,
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	Pl.T	Bag Wgt or Tare LB	Net LB	Total TS
TYPE VII - LOW ALKALI	GL100007505	17:19 17:26	1	78,980		27,600	51,380	25.690

BULK STANDARD	FUEL-B	NO_BELOW	Total US	78,980 *	27,600 *	51,380 *	25.690 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1517CTS	178CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (SDS)

OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805734096

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/13/2012 Time In: 14:46
Rq.Div.Date/Time 00:00 Time Out: 14:52
Customer PO/Dt 2-3529-0086
Order Number/Date 1100387659 / 06/13/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,440 lb
Tare Weight 25,960 lb
Net Weight 53,480 lb

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn

Total Weight 26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka..
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper hereby certifies that he is familiar with all the rates, classifications and rules that govern the transportation of this shipment, and that the said rates and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/13/2012 16:53:43

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805737243

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/13/2012 Time In: 14:54
Rq.Div.Date/Time 00:00 Time Out: 14:59
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406870 / 06/13/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,400 lb
Tare Weight 26,620 lb
Net Weight 52,780 lb

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,780 lb	26.390 tn

Total Weight 26.390 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka..
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper hereby certifies that he is familiar with all the rates, classifications and rules that govern the transportation of this shipment, and that the said rates and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/13/2012 16:56:57

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805737444

Customer Service
1-800-854-4656

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/13/2012 Time In: 14:35
Rq.Div.Date/Time 00:00 Time Out: 14:41
Customer PO/Dt 2-3529-0086
Order Number/Date 1100400738 / 06/13/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,800 lb
Tare Weight 26,580 lb
Net Weight 53,220 lb

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn

Total Weight 26.610 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka..
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper hereby certifies that he is familiar with all the rates, classifications and rules that govern the transportation of this shipment, and that the said rates and conditions are hereby agreed upon by the shipper and accepted for itself and its assigns.

For U.S. Rates, the paper bags used for this shipment conform to the specifications and rates set forth in the prevailing Rail and Motor classifications

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/13/2012 16:41:54

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805735492

3210 Customer Service 1-800-854-4656

Ship To #1188998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 Time In: 04:33
Rq.Div.Date/Time 00:00 Time Out: 04:39
Customer PO/Dt 2-3529-0086
Order Number/Date 1100419881 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 25,240 lb
Net Weight 54,100 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,100 lb	27.050 tn
			Total Weight		27.050 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD 900 AANEYER 06/14/2012 05:29:33

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805732486

3210 Customer Service 1-800-854-4656

Ship To #1188998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/13/2012 Time In: 15:12
Rq.Div.Date/Time 00:00 Time Out: 15:18
Customer PO/Dt 2-3529-0086
Order Number/Date 1100382384 / 06/13/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,640 lb
Tare Weight 25,840 lb
Net Weight 53,800 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,800 lb	26.900 tn
			Total Weight		26.900 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 RWOMMACK 06/13/2012 15:18:56

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805732183

3210 Customer Service 1-800-854-4656

Ship To #1188998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 Time In: 04:51
Rq.Div.Date/Time 00:00 Time Out: 04:57
Customer PO/Dt 2-3529-0086
Order Number/Date 1100409814 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,120 lb
Tare Weight 28,280 lb
Net Weight 53,840 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,840 lb	26.920 tn
			Total Weight		26.920 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 AANEYER 06/14/2012 05:57:09

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805738031

3210 Customer Service 1-800-854-4656

Ship To #1188998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 Time In: 05:30
Rq.Div.Date/Time 00:00 Time Out: 05:35
Customer PO/Dt 2-3529-0086
Order Number/Date 1100399842 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,700 lb
Tare Weight 25,760 lb
Net Weight 53,940 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,940 lb	26.970 tn
			Total Weight		26.970 tn.

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of BOL of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD 900 TUBLITY 06/14/2012 06:35:53

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805729781

Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 — Time In: 05:37
Rq.Dlv.Date/Time 00:00 — Time Out: 05:43
Customer PO/Dt 2-3529-0086
Order Number/Date 1100398384 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,460 lb
Tare Weight 28,460 lb
Net Weight 51,000 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000086789
Contract#
Vehicle R97066

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,000 lb	25.500 tn

Total Weight 25.500 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/14/2012 06:43:34

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805738029

Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 — Time In: 05:24
Rq.Dlv.Date/Time 00:00 — Time Out: 05:28
Customer PO/Dt 2-3529-0086
Order Number/Date 1100399540 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 78,320 lb
Tare Weight 26,720 lb
Net Weight 51,600 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000086789
Contract#
Vehicle R66516

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,600 lb	25.800 tn

Total Weight 25.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/14/2012 06:28:37

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805729782

Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 — Time In: 06:49
Rq.Dlv.Date/Time 00:00 — Time Out: 05:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100398385 / 06/14/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,940 lb
Net Weight 53,600 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,600 lb	26.800 tn

Total Weight 26.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 TUBERTY 06/14/2012 06:55:11

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4525560-20030053 SEE OTHER CONDITIONS ON THE BACK

#11 ORIGINAL
8:13

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or related to Carrier(s) transporting a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. NONARBITRATION: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all freighting and related charges.

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-6178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. Load No.	4525560
Sales Order No.	42320830
Shipment No.	29030053
Shipment Date	06/13/12
Customer Requested Delivery Date	06/13/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned	

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	CL100007505	21 06 21:10	2	81,320		29,180	52,140	26.070
BULK STANDARD	FUEL-B	NO_BELOW	Total US	81,320 *		29,180 *	52,140 *	26.070 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311818	770CTS	525CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

Prepaid

The material herein has been sampled and tested as prescribed by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type IS-. THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE
NORTH AMERICA
Lafarge North America Inc.

4525205-20023417

SEE OTHER CONDITIONS ON THE BACK

ORIGINAL

Subject to the terms of any written transportation contract between the Carrier(s) prescribing the shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading as properly described herein, in apparent good order except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agree to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Carriers accept such shipment in accordance with Lafarge's standard terms and conditions.
NON-REQUIRE: If Shipper signs this premium, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. Load No.	4525205
Sales Order No.	42328830
Shipment No.	29023417
Shipment Date	06/13/12
Customer Requested Delivery Date	06/12/12
Customer Requested Delivery Time (ET)	00:00:00

67535

Pallets Returned	

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	14:43 14:50	2	79,900		31,180	48,720	24.360

GL100007505

BULK STANDARD	FUEL-0 NO_SELOW	Total US	79,900 *	31,180 *	48,720 *	24.360 *
		Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1630CTS	392CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

OPERATOR

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805737289

5210 Customer Service
1-800-854-4666

Ship To #1168896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/15/2012 — Time In: 04:40
Rq.Div.Date/Time 00:00 — Time Out: 04:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100423293 / 06/15/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,420 lb
Tare Weight 25,880 lb
Net Weight 53,540 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,540 lb	26.770 tn

Total Weight 26.770 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/15/2012 08:47:00

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805737279

5210 Customer Service
1-800-854-4666

Ship To #1168896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/14/2012 — Time In: 13:16
Rq.Div.Date/Time 00:00 — Time Out: 13:20
Customer PO/Dt 2-3529-0086
Order Number/Date 1100423204 / 06/14/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,960 lb
Tare Weight 28,000 lb
Net Weight 51,960 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,960 lb	25.980 tn

Total Weight 25.980 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/14/2012 14:21:01

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805737288

5210 Customer Service
1-800-854-4666

Ship To #1168896

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/15/2012 — Time In: 04:32
Rq.Div.Date/Time 00:00 — Time Out: 04:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100423292 / 06/15/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,140 lb
Tare Weight 26,140 lb
Net Weight 53,000 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,000 lb	26.500 tn

Total Weight 26.500 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-900 AAMEYER 06/15/2012 05:37:48

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805739435

2210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 08/15/2012 — Time In: 04:58
Rq.Div.Date/Time 00:00 — Time Out: 05:04
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406906 / 08/15/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 97065

Scaled Weight (Bulk Only)
Gross Weight 79,740 lb
Tare Weight 27,260 lb
Net Weight 52,480 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,480 lb	26.240 tn

Total Weight 26.240 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 08/15/2012 09:04:31

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805739433

2210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 08/15/2012 — Time In: 04:52
Rq.Div.Date/Time 00:00 — Time Out: 04:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406904 / 08/15/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 56515

Scaled Weight (Bulk Only)
Gross Weight 80,600 lb
Tare Weight 25,560 lb
Net Weight 55,040 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	55,040 lb	27.520 tn

Total Weight 27.520 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 08/15/2012 05:56:34

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805737521

2210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 08/15/2012 — Time In: 04:25
Rq.Div.Date/Time 00:00 — Time Out: 04:30
Customer PO/Dt 2-3529-0086
Order Number/Date 1100423913 / 08/15/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Scaled Weight (Bulk Only)
Gross Weight 79,760 lb
Tare Weight 25,720 lb
Net Weight 54,040 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,040 lb	27.021 tn

Total Weight 27.021 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 08/15/2012 06:30:12

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805739436

2210 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 08/15/2012 — Time In: 06:08
Rq.Div.Date/Time 00:00 — Time Out: 06:12
Customer PO/Dt 2-3529-0086
Order Number/Date 1100406907 / 08/15/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Scaled Weight (Bulk Only)
Gross Weight 79,420 lb
Tare Weight 26,080 lb
Net Weight 53,340 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,340 lb	26.670 tn

Total Weight 26.670 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 AAMEYER 08/15/2012 06:12:12

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805741204

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/18/2012 Time In: 07:29
Rq.Div.Date/Time 00:00 Time Out: 07:37
Customer PO/Dt 2-3529-0088
Order Number/Date 1100424023 / 06/18/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,200 lb
Tare Weight 25,780 lb
Net Weight 53,420 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn
			Total Weight		26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 TLIBERTY 06/18/2012 08:37:26

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805727277

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/18/2012 Time In: 07:20
Rq.Div.Date/Time 00:00 Time Out: 07:27
Customer PO/Dt 2-3529-0088
Order Number/Date 1100423804 / 06/18/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,280 lb
Tare Weight 26,000 lb
Net Weight 53,280 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,280 lb	26.640 tn
			Total Weight		26.640 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 TLIBERTY 06/18/2012 08:27:48

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805732374

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/18/2012 Time In: 08:23
Rq.Div.Date/Time 00:00 Time Out: 08:29
Customer PO/Dt 2-3529-0088
Order Number/Date 1100428341 / 06/18/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,200 lb
Net Weight 53,340 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,340 lb	26.670 tn
			Total Weight		26.670 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 06/18/2012 08:29:52

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805552718

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/18/2012 Time In: 06:13
Rq.Div.Date/Time 00:00 Time Out: 06:21
Customer PO/Dt 2-3529-0088
Order Number/Date 1100103479 / 06/18/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,560 lb
Tare Weight 25,180 lb
Net Weight 54,380 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,380 lb	27.190 tn
			Total Weight		27.190 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AAMEYER 06/18/2012 06:31:18

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805735823

5210 Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 04:49
Rq.Div.Date/Time 00:00 — Time Out: 04:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100298759 / 06/18/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle 97065

Sealed Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 27,660 lb
Net Weight 51,820 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,820 lb	25.910 tn
			Total Weight		25.910 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
tested and certified slb Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagging in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

PRO 900 AAMEYER 06/18/2012 05:55:04

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805735826

5210 Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 05:08
Rq.Div.Date/Time 00:00 — Time Out: 05:11
Customer PO/Dt 2-3529-0086
Order Number/Date 1100298761 / 06/18/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle 26997

Sealed Weight (Bulk Only)
Gross Weight 79,040 lb
Tare Weight 24,700 lb
Net Weight 54,340 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,340 lb	27.170 tn
			Total Weight		27.170 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
tested and certified slb Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagging in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

PRO 900 AAMEYER 06/18/2012 06:11:28

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805377104

5210 Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 05:38
Rq.Div.Date/Time 00:00 — Time Out: 05:44
Customer PO/Dt 2-3529-0086
Order Number/Date 1100078433 / 06/18/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Sealed Weight (Bulk Only)
Gross Weight 82,120 lb
Tare Weight 27,940 lb
Net Weight 54,180 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,180 lb	27.090 tn
			Total Weight		27.090 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
tested and certified slb Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagging in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

PRO 900 AAMEYER 06/18/2012 06:44:53

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805377099

5210 Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 04:09
Rq.Div.Date/Time 00:00 — Time Out: 04:15
Customer PO/Dt 2-3529-0086
Order Number/Date 1100078429 / 06/18/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Sealed Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 26,920 lb
Net Weight 52,600 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,600 lb	26.300 tn
			Total Weight		26.300 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
tested and certified slb Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bagging in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

PRO 900 AAMEYER 06/18/2012 05:18:49

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805377101

Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 04:31
Rq.Div.Date/Time 00:00 — Time Out: 04:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100078430 / 06/18/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,300 lb
Tare Weight 25,880 lb
Net Weight 53,420 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn
			Total Weight		26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 AAMEYER 06/18/2012 08:37:24

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805377097

Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 04:01
Rq.Div.Date/Time 00:00 — Time Out: 04:07
Customer PO/Dt 2-3529-0086
Order Number/Date 1100078428 / 06/18/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,440 lb
Tare Weight 27,280 lb
Net Weight 52,160 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,160 lb	26.080 tn
			Total Weight		26.080 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 AAMEYER 06/18/2012 09:07:37

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805732370

Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 04:57
Rq.Div.Date/Time 00:00 — Time Out: 05:03
Customer PO/Dt 2-3529-0086
Order Number/Date 1100428339 / 06/18/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,180 lb
Net Weight 53,360 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,360 lb	26.680 tn
			Total Weight		26.680 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 AAMEYER 06/18/2012 06:03:09

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805732368

Customer Service
1-800-854-4656

Ship To #1188996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/18/2012 — Time In: 04:40
Rq.Div.Date/Time 00:00 — Time Out: 04:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100428337 / 06/18/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
* Gross Weight 78,520 lb
* Tare Weight 26,500 lb
Net Weight 52,020 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066789
Contract#
Vehicle 56515

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,020 lb	26.010 tn
			Total Weight		26.010 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

* = Manual Weight

Loaded By:
Driver
Customer

PRO-800 AAMEYER 06/18/2012 06:46:31

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Signature of Shipper

BOL No. / Load No.	4531605
Sales Order No.	42328830
Shipment No.	29008753
Shipment Date	06/15/12
Customer Requested Delivery Date	06/15/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Deg Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	10:02 10:11	2	79,780		27,300	52,480	26 240
BULK STANDARD FUEL-B NO_BELOW	Total US			79,780 *		27,300 *	52,480 *	20.240 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1502CTS	810CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date
OPERATOR

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Signature of Shipper

BOL No. / Load No.	4530977
Sales Order No.	42328830
Shipment No.	29040811
Shipment Date	06/13/12
Customer Requested Delivery Date	06/13/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Deg Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	17 56 18:05	2	79,340		28,700	50,640	25 320
BULK STANDARD FUEL-B NO_BELOW	Total US			79,340 *		28,700 *	50,640 *	25.320 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1619CTS	518CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date
CUSTOMER

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Signature of Shipper

BOL No. / Load No.	4531317
Sales Order No.	42328830
Shipment No.	29009328
Shipment Date	06/18/12
Customer Requested Delivery Date	06/15/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Deg Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	12:24 12:29	2	79,940		29,040	50,900	25 450
BULK STANDARD FUEL-B NO_BELOW	Total US			79,940 *		29,040 *	50,900 *	25.450 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	770CTS	525CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date
CUSTOMER

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

803600861

Bill of Lading:

Site Customer Service
1-800-854-4656

Shipment Information
Ship Date 06/19/2012 Time In: 06:31
Rq.Div.Date/Time 00:00 Time Out: 06:38
Customer PO/Dt 2-3529-0085
Order Number/Date 1100451602 / 06/19/2012
Customer Number 34548
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Gross Weight 79,240 lb
Tare Weight 26,020 lb
Net Weight 53,220 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7657
Certified For State
Job Number
Acc. Charge
Equip. Type 5000096

Shipping Details

Material	Description	Site	Vd. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn
			Total Weight		26.610 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper hereby certifies that he is familiar with all the terms and conditions of the bill of lading, that the information shown on this bill of lading is accurate, and that the shipment described on this bill of lading is properly classified, described, packaged, marked and labeled, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper hereby certifies that he is familiar with all the terms and conditions of the bill of lading, that the information shown on this bill of lading is accurate, and that the shipment described on this bill of lading is properly classified, described, packaged, marked and labeled, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Loaded By:
Driver
Customer

FRD-800 AAMEYER 06/19/2012 07:28:01

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805679035

5210 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/19/2012 — Time In: 05:03
Rq.Div.Date/Time 00:00 — Time Out: 05:08
Customer PO/Dt 2-3529-0086
Order Number/Date 1100056733 / 06/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,280 lb
Tare Weight 26,540 lb
Net Weight 52,740 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,740 lb	26.370 tn
			Total Weight		26.370 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/19/2012 06:08:52

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805607823

5210 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/19/2012 — Time In: 06:50
Rq.Div.Date/Time 00:00 — Time Out: 06:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100441021 / 06/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,680 lb
Tare Weight 25,640 lb
Net Weight 54,040 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7989

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,040 lb	27.021 tn
			Total Weight		27.021 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/19/2012 07:56:35

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

803600863

5210 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/19/2012 — Time In: 06:39
Rq.Div.Date/Time 00:00 — Time Out: 06:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100451604 / 06/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 25,820 lb
Net Weight 53,520 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/19/2012 07:47:09

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805608030

5210 Customer Service 1-800-854-4656

Ship To #1168998

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/19/2012 — Time In: 05:10
Rq.Div.Date/Time 00:00 — Time Out: 05:15
Customer PO/Dt 2-3529-0086
Order Number/Date 1100442019 / 06/19/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,980 lb
Net Weight 52,560 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle 97065

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,560 lb	26.280 tn
			Total Weight		26.280 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/19/2012 06:15:52

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805679032

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/19/2012 — Time In: 04:19
Rq.Div.Date/Time 00:00 — Time Out: 04:28
Customer PO/Dt 2-3529-0086
Order Number/Date 1100068728 / 06/19/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,140 lb
Tare Weight 25,720 lb
Net Weight 53,420 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 8000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn
			Total Weight		26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classification and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract) in making any portion or connection transportation of the property under the contract agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Bill of Lading as in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment and for all Canadian traffic in all the following terms and conditions, (1) approved by the Board of Transport Commissioners for Canada by orders under No. P-3, dated February 1, 1954 and in effect on December 31, 1967 and from time to time thereafter (Canadian Freight Classification and tariffs available at delivery agency stations and Freight Offices upon request), which said tariffs are contained in a motor carrier's or freight forwarder's tariff on file with the Board of Transport Commissioners for Canada by motor carrier

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805608031

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information
Ship Date 06/19/2012 Time In: 05:17
Rq.Div.Date/Time 00:00 Time Out: 05:22
Customer PO/Dt 2-3529-0086
Order Number/Date 1100442020 / 06/19/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,500 lb
Tare Weight 26,460 lb
Net Weight 52,040 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000086799
Contract#
Vehicle 56515

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,040 lb	26.020 tn
			Total Weight		26.020 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 AANEYER 06/19/2012 06:23:34

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805683782

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information
Ship Date 06/18/2012 Time In: 12:28
Rq.Div.Date/Time 00.00 Time Out: 12:32
Customer PO/Dt 2-3529-0086
Order Number/Date 1100243386 / 06/18/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,320 lb
Tare Weight 27,060 lb
Net Weight 52,260 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001836
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,260 lb	26.130 tn
			Total Weight		26.130 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRO-800 TUBERTY 06/18/2012 12:32:43

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4534120-29080673 SEE OTHER CONDITIONS ON THE BACK #1 8:00 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or resulting by Carrier(s) shipments of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges

Page 1 of 1

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4534120
Sales Order No.	42328830
Shipment No.	29080673
Shipment Date	06/18/12
Customer Requested Delivery Date	06/18/12
Customer Requested Delivery Time (ET)	00.00.00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Site	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	20:11 20:25	2	79,800		30,760	49,040	24.520
BULK STANDARD FUEL-B NO_BELOW			Total US	79,800 *		30,760 *	49,040 *	24.520 *
			Total CA					
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1629CTS	986CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-
THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4533777-29070405 SEE OTHER CONDITIONS ON THE BACK #2 2:00 ORIGINAL

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described herein, in apparent good order, except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or resulting by Carrier(s) shipments of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4533777
Sales Order No.	42328830
Shipment No.	29070405
Shipment Date	06/18/12
Customer Requested Delivery Date	06/18/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Site	Bags or Gross LB	PLT	Bag Wgt or Tare LD	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	14:37 14:46	2	79,200		26,100	53,100	26.550
BULK STANDARD FUEL-B NO_BELOW			Total US	79,200 *		26,100 *	53,100 *	26.550 *
			Total CA					
Additional Sales Order No. - If Applicable								

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1515CTS	513CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type III-
THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

4534113-29081709

SEE OTHER CONDITIONS ON THE BACK

Received, subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue or the 1st of billing the property described herein, in apparent good order except as noted, marked, consigned and destined as set forth herein, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions. NON-PROCURE, if Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper _____

Branch/Plant :
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64060
(816) 257-5178

Shipped To :
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4534113
Sales Order No.	42328830
Shipment No.	29081709
Shipment Date	06/18/12
Customer Requested Delivery Date	06/18/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	BL100007606	20:00 20:04	2	79,800		28,700	51,100	25.550
BULK STANDARD FUEL-B NO_BELOW			Total US	79,800 *		28,700 *	51,100 *	25.550 *
			Total CA					

Additional Sales Order No. - if Applicable

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1826CTS	522CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

The material herein has been sampled and tested as prescribe by the MDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO.-
The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II--
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805731775

2210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:
Shipping Information Page 1 of 1
Ship Date 06/20/2012 Time In: 04:30
Rq.Div.Date/Time 00:00 Time Out: 04:36
Customer PO/Dt 2-3529-0086
Order Number/Date 1100415699 / 06/20/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Scaled Weight (Bulk Only)
Gross Weight 79,300 lb
Tare Weight 26,160 lb
Net Weight 53,140 lb

Certified For State
Job Number

Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,140 lb	26.570 tn

Total Weight 26.570 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 AAMEYER 06/20/2012 08:38:46

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805745825

2210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:
Shipping Information Page 1 of 1
Ship Date 06/20/2012 Time In: 05:45
Rq.Div.Date/Time 00:00 Time Out: 05:52
Customer PO/Dt 2-3529-0086
Order Number/Date 1100426327 / 06/20/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Scaled Weight (Bulk Only)
Gross Weight 79,320 lb
Tare Weight 25,380 lb
Net Weight 53,940 lb

Certified For State
Job Number

Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,940 lb	26.970 tn

Total Weight 26.970 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 06/20/2012 08:52:18

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805678836

2210 Customer Service
1-800-654-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:
Shipping Information Page 1 of 1
Ship Date 06/20/2012 Time In: 06:40
Rq.Div.Date/Time 00:00 Time Out: 06:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100057229 / 06/20/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 26,380 lb
Net Weight 53,120 lb

Certified For State
Job Number

Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,120 lb	26.560 tn

Total Weight 26.560 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRO-800 TUBERTY 06/20/2012 07:48:00

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805745824

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/20/2012 Time In: 05:22
Rq.Dlv.Date/Time 00:00 Time Out: 05:27
Customer PO/Dt 2-3529-0088
Order Number/Date 1100426326 / 06/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 78,500 lb
Tare Weight 26,900 lb
Net Weight 51,600 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R56615

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	51,600 lb	25.800 tn
			Total Weight		25.800 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 TUSERTY 06/20/2012 06:27:26

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805019327

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/20/2012 Time In: 08:41
Rq.Dlv.Date/Time 00:00 Time Out: 08:48
Customer PO/Dt 2-3529-0088
Order Number/Date 1100436134 / 06/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,420 lb
Tare Weight 26,100 lb
Net Weight 53,320 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn
			Total Weight		26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 TUSERTY 06/20/2012 09:48:23

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805608077

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/20/2012 Time In: 06:37
Rq.Dlv.Date/Time 00:00 Time Out: 06:43
Customer PO/Dt 2-3529-0088
Order Number/Date 1100442073 / 06/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,500 lb
Tare Weight 27,220 lb
Net Weight 52,280 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R97065

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,280 lb	26.140 tn
			Total Weight		26.140 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 TUSERTY 06/20/2012 06:43:14

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805095975

Customer Service 1-800-654-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/20/2012 Time In: 04:38
Rq.Dlv.Date/Time 00:00 Time Out: 04:45
Customer PO/Dt 2-3529-0088
Order Number/Date 1100132514 / 06/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,400 lb
Tare Weight 26,420 lb
Net Weight 52,980 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7567

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Sto	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,980 lb	26.490 tn
			Total Weight		26.490 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ke.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-600 AAMEYER 06/20/2012 06:45:08

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

Customer Service 1-800-854-4858

Ship To #1168998

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

805624305

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/20/2012 — Time In: 06:22
Rq.Div.Date/Time 00.00 — Time Out: 06:29
Customer PO/Dt 2-3529-0088
Order Number/Date 1100062139 / 06/20/2012
Customer Number 34648
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,060 lb
Net Weight 53,480 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vel. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper legend in lieu of scale, see a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-600 TUBERTY 06/20/2012 07:29:28

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4536273-29094480 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL 7/1 7:33

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to its or its designation. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4536273
Sales Order No.	42328830
Shipment No.	29094480
Shipment Date	06/19/12
Customer Requested Delivery Date	06/19/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	14:10 14:18	2	70,000		28,240	50,700	25.380

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,000 *	28,240 *	50,700 *	25.380 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1502CTS	810CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/I-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4536010-29086737 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL 6/12 9:03

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to its or its designation. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4536010
Sales Order No.	42328830
Shipment No.	29086737
Shipment Date	06/19/12
Customer Requested Delivery Date	06/18/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	13:01 13:09	2	79,100		27,420	51,680	25.840

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,100 *	27,420 *	51,680 *	25.840 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1517CTS	178CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/I-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4537271-29095655 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL 6/12

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to its or its designation. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4537271
Sales Order No.	42328830
Shipment No.	29095655
Shipment Date	06/20/12
Customer Requested Delivery Date	06/19/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	06:30 06:37	1	79,380		30,880	48,500	24.250

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,380 *	30,880 *	48,500 *	24.250 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	42CTS	807CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/I-- THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Rodney
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

CUSTOMER

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

804069001

2210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/20/2012 — Time In: 14:21
Rq.Dlv.Date/Time 00:00 — Time Out: 14:29
Customer PO/Dt 2-3529-0088
Order Number/Date 1100441648 / 06/20/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,300 lb
Tare Weight 26,340 lb
Net Weight 52,960 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,960 lb	26.480 tn
			Total Weight		26.480 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 TUBERTY 06/20/2012 15:29:06

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805565315

2210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/20/2012 — Time In: 14:45
Rq.Dlv.Date/Time 00:00 — Time Out: 14:51
Customer PO/Dt 2-3529-0088
Order Number/Date 1100159459 / 06/20/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,120 lb
Tare Weight 26,700 lb
Net Weight 52,420 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,420 lb	26.210 tn
			Total Weight		26.210 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AANEYER 06/20/2012 18:51:53

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805729231

2210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/20/2012 — Time In: 12:57
Rq.Dlv.Date/Time 00:00 — Time Out: 13:04
Customer PO/Dt 2-3529-0088
Order Number/Date 1100336476 / 06/20/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,280 lb
Tare Weight 26,200 lb
Net Weight 53,080 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,080 lb	26.540 tn
			Total Weight		26.540 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 TUBERTY 06/20/2012 14:04:30

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805096364

2210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/21/2012 — Time In: 04:38
Rq.Dlv.Date/Time 00:00 — Time Out: 04:44
Customer PO/Dt 2-3529-0088
Order Number/Date 1100453825 / 06/21/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,280 lb
Tare Weight 26,180 lb
Net Weight 53,100 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,100 lb	26.550 tn
			Total Weight		26.550 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-800 AANEYER 06/21/2012 08:44:31

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805735861

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/21/2012 Time In: 08:35
Rq.Div.Date/Time 00:00 Time Out: 08:44
Customer PO/Dt 2-3529-0086
Order Number/Date 1100468802 / 08/21/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,020 lb
Tare Weight 25,220 lb
Net Weight 53,800 lb

Carrier/Vehicle Details
Carrier Code 4001838
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,800 lb	26.900 tn

Total Weight 26.900 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 06/21/2012 08:44:53

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805678845

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/20/2012 Time In: 12:47
Rq.Div.Date/Time 00:00 Time Out: 12:55
Customer PO/Dt 2-3529-0086
Order Number/Date 1100057242 / 06/20/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREHT
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,320 lb
Tare Weight 26,380 lb
Net Weight 52,940 lb

Carrier/Vehicle Details
Carrier Code 4001838
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,940 lb	26.470 tn

Total Weight 26.470 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 06/20/2012 13:55:24

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805467173

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/21/2012 Time In: 05:32
Rq.Div.Date/Time 00:00 Time Out: 05:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100017465 / 06/21/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 30,140 lb
Net Weight 49,380 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000068799
Contract#
Vehicle R97065

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	49,380 lb	24.690 tn

Total Weight 24.690 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 900 TLIBERTY 06/21/2012 05:37:52

Holcim KANSAS CITY 1416 WARREN ST NORTH KANSAS CITY MO 64116

805604733

Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Page 1 of 1

Shipping Information
Ship Date 06/21/2012 Time In: 06:40
Rq.Div.Date/Time 00:00 Time Out: 06:48
Customer PO/Dt 2-3529-0086
Order Number/Date 1100306934 / 06/21/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,620 lb
Tare Weight 32,340 lb
Net Weight 47,280 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000068799
Contract#
Vehicle R56515

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	47,280 lb	23.640 tn

Total Weight 23.640 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspite in lieu of stamp, not a part of Bill of Lading as approved by LCC

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 06/21/2012 06:48:07

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4539275-29103369 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #1 9:15

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) dispatch of a load that exceeds the maximum allowable weight. Carriers accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. Load No.	4539275
Sales Order No.	42328830
Shipment No.	29103369
Shipment Date	06/20/12
Customer Requested Delivery Date	06/20/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5173

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	18.08 18.16	2	79,700		28,500	51,200	25.600
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,700 *		28,500 *	51,200 *	25.600 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1521CTS	580CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4539288-29115542 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #2 11:26

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agrees to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) dispatch of a load that exceeds the maximum allowable weight. Carriers accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver the shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. Load No.	4539288
Sales Order No.	42328830
Shipment No.	29115542
Shipment Date	06/20/12
Customer Requested Delivery Date	06/20/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	18.23 18.30	2	79,860		30,760	49,100	24.550
BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,860 *		30,760 *	49,100 *	24.550 *
			Total CA					

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1630CTS	302CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805735872

5310 Customer Service
1-800-854-4656

Ship To:#1168986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date	06/21/2012
Time In:	14:32
Rq.Div.Date/Time	00:00
Time Out:	14:38
Customer PO/Dt	2-3529 0086
Order Number/Date	1100468914 / 06/21/2012
Customer Number	34546
Reference	

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,400 lb
Tare Weight	26,180 lb
Net Weight	53,220 lb

Carrier/Vehicle Details

Carrier Code	4001938
Carrier Name	CONTRACTORS CARTAGE, INC.
Contract#	
Vehicle	7550
Certified For State	
Job Number	
Acc. Charge	
Equip. Type	6000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,220 lb	26.610 tn
			Total Weight		26.610 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being interpreted throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. Bill of Lading is to be signed by the shipper or his agent and the carrier or its agent. Shipper hereby certifies that he is familiar with all the terms and conditions of the uniform bill of lading, including those on the back hereof, and agrees to be bound by them. If this shipment is to be delivered to a consignee without recourse on the consignee, the consignee shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

For U.S. Rates, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the description and weight indicated on the bill of lading are correct, subject to verification by the individual railroad at destination according to tariffs.

For U.S. Rates, the cargo loaded under this shipment conforms to the specifications and rates set forth in the governing Rail and Motor classifications

Shipper Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-900 TUBERTY 06/21/2012 15:38:39

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805736644

5310 Customer Service
1-800-854-4656

Ship To:#1168986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date	06/22/2012
Time In:	04:20
Rq.Div.Date/Time	00:00
Time Out:	04:25
Customer PO/Dt	2-3529 0086
Order Number/Date	1100452412 / 06/22/2012
Customer Number	34546
Reference	

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)

Gross Weight	79,580 lb
Tare Weight	25,580 lb
Net Weight	54,000 lb

Carrier/Vehicle Details

Carrier Code	4001938
Carrier Name	CONTRACTORS CARTAGE, INC.
Contract#	
Vehicle	7999
Certified For State	
Job Number	
Acc. Charge	
Equip. Type	6000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,000 lb	27.000 tn
			Total Weight		27.000 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being interpreted throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. Bill of Lading is to be signed by the shipper or his agent and the carrier or its agent. Shipper hereby certifies that he is familiar with all the terms and conditions of the uniform bill of lading, including those on the back hereof, and agrees to be bound by them. If this shipment is to be delivered to a consignee without recourse on the consignee, the consignee shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

For U.S. Rates, if the shipment moves between two points by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." If the shipment moves by rail, the description and weight indicated on the bill of lading are correct, subject to verification by the individual railroad at destination according to tariffs.

For U.S. Rates, the cargo loaded under this shipment conforms to the specifications and rates set forth in the governing Rail and Motor classifications

Shipper Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse of consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges

(Signature of consignor)

PRD-900 AAMEYER 06/22/2012 08:25:21

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805229178

5210 Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information Page 1 of 1
Ship Date 06/22/2012 Time In: 05:29
Rq.Div.Date/Time 00.00 Time Out: 05:34
Customer PO/Dt 2-3529-0088
Order Number/Date 1100122036 / 06/22/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Scaled Weight (Bulk Only)
Gross Weight 79,380 lb
Tare Weight 27,620 lb
Net Weight 51,760 lb
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000086799
Contract#
Vehicle R97065
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7630	51,760 lb	25.880 tn

Total Weight 25.880 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs filed perfect in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation responsible for all or any portion of said route to destination) agrees to carry to its usual place of delivery at said destination. SHIPPER HEREBY CERTIFIES that he is familiar with all the terms and conditions of the Uniform Domestic Freight Bill of Lading and Rail Ground Shipping Classification, Rules and Regulations, or, (2) in the applicable motor carrier classifications or tariffs, if any, and the terms and conditions of the Uniform Domestic Freight Bill of Lading and Motor Carrier Classification and Rules and Regulations thereof, and agrees that such shipment is to be transported subject to the classifications and tariffs in effect on the date hereof, if this bill of lading is a rail or rail water shipment, or (3) if this is a motor or rail shipment, subject to the applicable motor carrier classification or tariff if any, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Rail Ground Shipping Classification, Rules and Regulations, or (4) in the applicable motor carrier classifications or tariffs, if any, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Motor Carrier Classification and Rules and Regulations thereof, and agrees that such shipment is to be transported subject to the classifications and tariffs in effect on the date hereof, if this bill of lading is a motor or rail shipment, or (5) if this is a rail water or water shipment, subject to the applicable rail water or water classification or tariff, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Rail Water Shipping Classification, Rules and Regulations, or (6) in the applicable motor carrier classifications or tariffs, if any, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Motor Carrier Classification and Rules and Regulations thereof, and agrees that such shipment is to be transported subject to the classifications and tariffs in effect on the date hereof, if this bill of lading is a rail or rail water shipment, or (7) if this is a motor or rail shipment, subject to the applicable motor carrier classification or tariff, if any, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Motor Carrier Classification and Rules and Regulations thereof, and agrees that such shipment is to be transported subject to the classifications and tariffs in effect on the date hereof, if this bill of lading is a motor or rail shipment, or (8) if this is a rail or rail water shipment, subject to the applicable rail water or water classification or tariff, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Rail Water Shipping Classification, Rules and Regulations, or (9) in the applicable motor carrier classifications or tariffs, if any, and the terms and conditions of the Uniform Domestic Freight Bill of Lading, and Motor Carrier Classification and Rules and Regulations thereof, and agrees that such shipment is to be transported subject to the classifications and tariffs in effect on the date hereof, if this bill of lading is a motor or rail shipment, or (10) in the following terms and conditions: (1) approved by the Board of Transport Commissioners for Canada by general order No. T-4, dated February 1, 1988 and in effect on December 31, 1987 and which is to be known as the Canadian Freight Classification and the applicable railway agency motions and freight tariffs upon request, when said goods are carried by a rail carrier; or (2) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (3) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (4) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (5) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (6) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (7) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (8) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (9) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (10) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (11) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (12) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (13) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (14) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (15) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (16) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (17) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (18) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (19) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (20) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (21) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (22) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (23) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (24) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (25) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (26) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (27) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (28) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (29) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (30) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (31) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (32) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (33) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (34) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (35) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (36) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (37) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (38) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (39) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (40) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (41) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (42) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (43) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; 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or (50) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (51) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (52) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (53) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (54) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (55) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (56) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (57) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (58) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; or (59) on the bill of lading applicable motor carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a motor carrier; or (60) on the bill of lading applicable water carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a water carrier; or (61) on the bill of lading applicable rail carrier as provided in its tariff of rules and regulations filed with proper authorities, when said goods are carried by a rail carrier; 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Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805229177

5210 Customer Service
1-800-654-4656

Bill of Lading:

Ship To #1168896

Shipping Information — Page 1 of 1
Ship Date 06/22/2012 Time In: 05:22
Rq.Div.Date/Time 00:00 Time Out: 05:27
Customer PO/Dt 2-3529-0086
Order Number/Date 1100122035 / 06/22/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,060 lb
Tare Weight 25,640 lb
Net Weight 53,420 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R56515

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Vsl. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,420 lb	26.710 tn
			Total Weight		26.710 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract to mean any person or corporation possessing in whole or in part the transportation service hereunder) agrees to carry to the usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. SHIPPER'S IMPORTANT NOTICE Bill of Lading terms and conditions governing the shipment of this property are hereby agreed to by the shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of the Uniform Domestic Freight Bill of Lading, including those on the back hereof, which are hereby incorporated herein and made a part hereof

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805096060

1210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/25/2012 — Time In: 05:39
Rq.Div.Date/Time 00.00 — Time Out: 05:46
Customer PO/Dt 2-3529-0086
Order Number/Date 1100139294 / 06/25/2012
Customer Number 34646
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,020 lb
Tare Weight 24,800 lb
Net Weight 54,220 lb

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle 50067

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,220 lb	27.110 tn
			Total Weight		27.110 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated above, which said carrier (the word carrier being understood throughout this contract to mean any person or corporation possessing the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Agreed by the following general conditions: (1) approved by the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-1, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and the Board of Transport Commissioners for Canada by general order No. T-3, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and the rules and regulations thereof and applicable to all rail and rail-water shipments; (2) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-4, and set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (3) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-5, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (4) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-6, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (5) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-7, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (6) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-8, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (7) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-9, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (8) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-10, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (9) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-11, and set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (10) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-12, and set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (11) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-13, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (12) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-14, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (13) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-15, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (14) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-16, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (15) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-17, and set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (16) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-18, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (17) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-19, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (18) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-20, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (19) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-21, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (20) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-22, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (21) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-23, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (22) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-24, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (23) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-25, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (24) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-26, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (25) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-27, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (26) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-28, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (27) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-29, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (28) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-30, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (29) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-31, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (30) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-32, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (31) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-33, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (32) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-34, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (33) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-35, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (34) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-36, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (35) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-37, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (36) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-38, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (37) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-39, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (38) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-40, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (39) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-41, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (40) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-42, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (41) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-43, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (42) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-44, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (43) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-45, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (44) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-46, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (45) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-47, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (46) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-48, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (47) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-49, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (48) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-50, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (49) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-51, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (50) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-52, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (51) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-53, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (52) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-54, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (53) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-55, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (54) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-56, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (55) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-57, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (56) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-58, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (57) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-59, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (58) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-60, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (59) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-61, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (60) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-62, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (61) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-63, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (62) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-64, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (63) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-65, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (64) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-66, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (65) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-67, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (66) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-68, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (67) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-69, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (68) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-70, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (69) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-71, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (70) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-72, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (71) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-73, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (72) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-74, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (73) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-75, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (74) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-76, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (75) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-77, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (76) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-78, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (77) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-79, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (78) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-80, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (79) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-81, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (80) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-82, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (81) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-83, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (82) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-84, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (83) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-85, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (84) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-86, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (85) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-87, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (86) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-88, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (87) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-89, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (88) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-90, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (89) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-91, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (90) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-92, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (91) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-93, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (92) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-94, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (93) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-95, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (94) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-96, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (95) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-97, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (96) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-98, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (97) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-99, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (98) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-100, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (99) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-101, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (100) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-102, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (101) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-103, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (102) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-104, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (103) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-105, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (104) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-106, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (105) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-107, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all rail and rail-water shipments; (106) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-108, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all motor carrier shipments; (107) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with the Interstate Commerce Commission and/or the Board of Transport Commissioners for Canada by general order No. T-109, dated February 1, 1965 and in effect on December 31, 1967 set forth in the Canadian Freight Classification and rules and regulations thereof and applicable to all freight forwarder shipments; (108) the terms and conditions of the bill of lading applicable upon carriers as provided in the tariff filed with

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805541398

Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/25/2012 — Time In: 04:59
Rq.Div.Date/Time 00:00 — Time Out: 06:08
Customer PO/Dt 2-3529-0086
Order Number/Date 1100094387 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 78,520 lb
Tare Weight 25,480 lb
Net Weight 53,040 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,040 lb	26.520 tn
			Total Weight		26.520 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scanp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/25/2012 06:06:22

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805096061

Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/25/2012 — Time In: 05:55
Rq.Div.Date/Time 00:00 — Time Out: 06:01
Customer PO/Dt 2-3529-0086
Order Number/Date 1100139298 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,260 lb
Tare Weight 25,740 lb
Net Weight 53,520 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scanp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/25/2012 07:01:07

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805731846

Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/25/2012 — Time In: 06:24
Rq.Div.Date/Time 00:00 — Time Out: 06:30
Customer PO/Dt 2-3529-0086
Order Number/Date 1100318678 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,860 lb
Tare Weight 25,980 lb
Net Weight 53,880 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7999

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,880 lb	26.940 tn
			Total Weight		26.940 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scanp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver B. Gold
Customer

(Signature of consignor)

PRD-800 AAMEYER 06/25/2012 06:30:50

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

803509877

Customer Service
1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/25/2012 — Time In: 04:26
Rq.Div.Date/Time 00:00 — Time Out: 04:31
Customer PO/Dt 2-3529-0086
Order Number/Date 1100203248 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,520 lb
Tare Weight 26,200 lb
Net Weight 53,320 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn
			Total Weight		26.660 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inquiries in lieu of scanp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD 800 TUBERTY 06/25/2012 08:31:49

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805731847

Customer Service
1-800-854-4656

Bill of Lading:

Ship To / 1168096

Shipping Information Page 1 of 1
Ship Date 06/25/2012 Time In: 05:32
Rq.Div.Date/Time 00:00 Time Out: 05:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100318579 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 78,920 lb
Tare Weight 25,600 lb
Net Weight 53,320 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC. ID 000086799
Contract#
Vehicle 58515
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,320 lb	26.660 tn
			Total Weight		26.660 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/25/2012 05:37:10

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805748219

Customer Service
1-800-854-4656

Bill of Lading:

Ship To / 1168096

Shipping Information Page 1 of 1
Ship Date 06/25/2012 Time In: 06:06
Rq.Div.Date/Time 00:00 Time Out: 06:14
Customer PO/Dt 2-3529-0086
Order Number/Date 1100151666 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 82,100 lb
Tare Weight 28,820 lb
Net Weight 53,280 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,280 lb	26.640 tn
			Total Weight		26.640 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/25/2012 06:14:14

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805748220

Customer Service
1-800-854-4656

Bill of Lading:

Ship To / 1168096

Shipping Information Page 1 of 1
Ship Date 06/25/2012 Time In: 06:12
Rq.Div.Date/Time 00:00 Time Out: 06:16
Customer PO/Dt 2-3529-0086
Order Number/Date 1100151667 / 06/25/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions Scaled Weight (Bulk Only)
Gross Weight 79,980 lb
Tare Weight 26,480 lb
Net Weight 53,500 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7885
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,500 lb	26.750 tn
			Total Weight		26.750 tn

ENVIROCORE

Shipping Instructions
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shipper Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-800 AAMEYER 06/25/2012 07:16:58

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4543821-29138709

ORIGINAL

SEE OTHER CONDITIONS ON THE BACK

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to shipment in excess of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-NEGOTIABLE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper:

Branch/Plant:
67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5176

Shipped To:
12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

BOL No. / Load No.	4543821
Sales Order No.	42328830
Shipment No.	29138709
Shipment Date	06/22/12
Customer Requested Delivery Date	06/22/12
Customer Requested Delivery Time (ET)	00:00:00

Pallets Returned

Sold To	Customer Purchase Order No.
REMEDIAL CONSTRUCTION SERVICES LP	

Item Description	Item No.	Begin/End	Site	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	CL100007505	12 14	12-20 1	79,800		30,720	49,140	24.570

BULK STANDARD	FUEL-6	NO_BELOW	Total US	79,800 *	30,720 *	49,140 *	24.570 *
			Total CA				
Additional Sales Order No. - If Applicable							

Special Delivery Instructions :

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311810	02CTS	390CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp :

- The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. -
The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type II-
- THIS CERTIFIES THAT TYPE III CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

4543776-29138622 SEE OTHER CONDITIONS ON THE BACK

#2 09:52

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of the Bill of Lading, the property described hereon in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4543776
Sales Order No.	42703525
Shipment No.	29138622
Shipment Date	06/22/12
Customer Requested Delivery Date	06/22/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1836 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007506	12:07 12:09	1	79,920		30,420	49,500	24.750
BULK STANDARD FUEL-B NO_BELOW	Total US			79,920 *		30,420 *	49,500 *	24.750 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1836CTS	988CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of KDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (M308)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

4543783-29146759 SEE OTHER CONDITIONS ON THE BACK

#3 11:07

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of the Bill of Lading, the property described hereon in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4543783
Sales Order No.	42328830
Shipment No.	29116759
Shipment Date	06/22/12
Customer Requested Delivery Date	06/20/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007505	11:58 12:10	1	79,700		28,100	51,600	25.830
BULK STANDARD FUEL-B NO_BELOW	Total US			79,700 *		28,100 *	51,600 *	25.830 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1621CTS	680CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of KDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (M308)

OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

ORIGINAL

4543868-29138609 SEE OTHER CONDITIONS ON THE BACK

#4 11:37

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of the Bill of Lading, the property described hereon in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transports of a load that exceeds the maximum allowable weight. Consignee accepts such shipment in accordance with Lafarge's standard terms and conditions.
NON-RECOURSE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Page 1 of 1

Signature of Shipper: _____

BOL No. / Load No.	4543868
Sales Order No.	42328830
Shipment No.	29138609
Shipment Date	06/22/12
Customer Requested Delivery Date	06/22/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 07505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1836 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	GL100007508	12:29 12:31	1	80,000		30,620	49,380	24.690
BULK STANDARD FUEL-B NO_BELOW	Total US			80,000 *		30,620 *	49,380 *	24.690 *
	Total CA							

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1630CTS	392CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of KDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid

Shipper Signature/ Date

Driver Signature / Date

Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (M308)

OPERATOR

Holcim
KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805588157

Customer Service
1-800-654-4656

Bill of Lading:

Ship_To #1166986

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information (Page 1 of 1)
Ship Date 06/25/2012 Time In: 14:21
Rq.Div.Date/Time 00:00 Time Out: 14:28
Customer PO/D1 2-3529-0088
Order Number/Date 1100324755 / 06/25/2012
Customer Number 34546
Reference

Conditions

Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,200 lb
Tare Weight 26,140 lb
Net Weight 53,060 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7461

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,060 lb	26.530 tn
			Total Weight		26.530 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ns.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-900 AAMEYER 06/25/2012 18:09:41

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805734276

3110 Customer Service
1-800-654-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 06:02
Rq.Div.Date/Time 00:00 — Time Out: 06:10
Customer PO/Dt 2-3529-0086
Order Number/Date 1100360140 / 06/26/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 82,060 lb
Tare Weight 28,120 lb
Net Weight 53,940 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,940 lb	26.970 tn

Total Weight 26.970 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 TLIBERTY 06/26/2012 07:10:49

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805738177

3110 Customer Service
1-800-654-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 05:34
Rq.Div.Date/Time 00:00 — Time Out: 05:41
Customer PO/Dt 2-3529-0086
Order Number/Date 1100425178 / 06/26/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 24,820 lb
Net Weight 54,520 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R50067

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,520 lb	27.260 tn

Total Weight 27.260 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 TLIBERTY 06/26/2012 06:41:05

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805730933

3110 Customer Service
1-800-654-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 04:49
Rq.Div.Date/Time 00:00 — Time Out: 04:56
Customer PO/Dt 2-3529-0086
Order Number/Date 1100398767 / 06/26/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,200 lb
Tare Weight 25,080 lb
Net Weight 54,120 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7702

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,120 lb	27.060 tn

Total Weight 27.060 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD-900 AAMEYER 06/26/2012 05:58:36

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805738178

3110 Customer Service
1-800-654-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 06:43
Rq.Div.Date/Time 00:00 — Time Out: 06:50
Customer PO/Dt 2-3529-0086
Order Number/Date 1100425179 / 06/26/2012
Customer Number 34546
Reference

Conditions

Scaled Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 26,140 lb
Net Weight 53,200 lb

Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,200 lb	26.601 tn

Total Weight 26.601 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignee)

PRD 900 TLIBERTY 06/26/2012 06:50:54

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805626249

Customer Service
1-800-854-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1
Shipping Information
Ship Date 06/26/2012 Time In: 04:22
Rq.Div.Date/Time 00:00 Time Out: 04:28
Customer PO/Dt 2-3529-0086
Order Number/Date 1100156428 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7090

Scaled Weight (Bulk Only)
Gross Weight 79,860 lb
Tare Weight 25,800 lb
Net Weight 54,060 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,060 lb	27.030 tn
			Total Weight		27.030 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/26/2012 05:29:35

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805730931

Customer Service
1-800-854-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1
Shipping Information
Ship Date 06/26/2012 Time In: 04:30
Rq.Div.Date/Time 00:00 Time Out: 04:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100398765 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Scaled Weight (Bulk Only)
Gross Weight 79,280 lb
Tare Weight 26,040 lb
Net Weight 53,240 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,240 lb	26.620 tn
			Total Weight		26.620 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/26/2012 06:37:24

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805646701

Customer Service
1-800-854-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1
Shipping Information
Ship Date 06/26/2012 Time In: 05:27
Rq.Div.Date/Time 00:00 Time Out: 05:32
Customer PO/Dt 2-3529-0086
Order Number/Date 1100116764 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4000234
Carrier Name RUAN TRANSPORT INC- ID 000066799
Contract#
Vehicle R66515

Scaled Weight (Bulk Only)
Gross Weight 79,100 lb
Tare Weight 25,620 lb
Net Weight 53,480 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,480 lb	26.741 tn
			Total Weight		26.741 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 TUBERTY 06/26/2012 06:32:24

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805730932

Customer Service
1-800-854-4666

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Page 1 of 1
Shipping Information
Ship Date 06/26/2012 Time In: 04:39
Rq.Div.Date/Time 00:00 Time Out: 04:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100398766 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route
Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7560

Scaled Weight (Bulk Only)
Gross Weight 79,400 lb
Tare Weight 25,880 lb
Net Weight 53,520 lb
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Slo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,520 lb	26.760 tn
			Total Weight		26.760 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer

PRD-800 AAMEYER 06/26/2012 06:47:08

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4547123-29139145 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #1 7:36

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RESOURCE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4547120
Sales Order No.	42328030
Shipment No.	29139145
Shipment Date	06/25/12
Customer Requested Delivery Date	06/22/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	13:32 13:40	2	80,000		26,900	53,100	26.550

BULK STANDARD	FUEL-B	NO_BELOW	Total US	80,000 *	26,900 *	53,100 *	26.550 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1502CTS	810CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4547278-29138880 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #4

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RESOURCE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4547278
Sales Order No.	42793525
Shipment No.	29138880
Shipment Date	06/25/12
Customer Requested Delivery Date	06/22/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007505	14:39 14:46	1	80,140		28,640	51,500	25.750

BULK STANDARD	FUEL-B	NO_BELOW	Total US	80,140 *	28,640 *	51,500 *	25.750 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1508CTS	393CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

LAFARGE NORTH AMERICA
Lafarge North America Inc.

4548123-29158210 SEE OTHER CONDITIONS ON THE BACK

ORIGINAL #1 11:31

Received subject to the terms of any written transportation contract between the Carrier(s) transporting this shipment and Lafarge North America or its affiliates (Shipper) on the date of issue of this Bill of Lading, the property described hereon, in apparent good order, except as noted, marked, consigned and destined as set forth hereon, which said Carrier(s) agrees to carry with reasonable dispatch to such destination. Carrier(s) shall verify the weight of the shipment and Carrier(s) agree to indemnify Shipper from any loss, cost or expense (including, but not limited to, attorney's fees) arising from or relating to Carrier(s) transporting of a load that exceeds the maximum allowable weight. Consignee accepts each shipment in accordance with Lafarge's standard terms and conditions. Page 1 of 1
NON-RESOURCE: If Shipper signs this provision, Shipper shall not be liable for freight charges and Carrier shall not deliver this shipment without advance payment of all shipping and related charges.

Signature of Shipper: _____

BOL No. / Load No.	4548123
Sales Order No.	42793525
Shipment No.	29158210
Shipment Date	06/26/12
Customer Requested Delivery Date	06/25/12
Customer Requested Delivery Time (ET)	00:00:00

Branch/Plant: 67505
SUGAR CREEK PLANT
2200 COURTNEY RD
SUGAR CREEK MO 64050
(816) 257-5178

Shipped To: 12663402
REMEDIAL CONSTRUCTION SERVICES LP
1835 N TOPEKA ST
EL DORADO KS 67042
()

Pallets Returned

Sold To: REMEDIAL CONSTRUCTION SERVICES LP
Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross LB	PLT	Bag Wgt or Tare LB	Net LB	Total TS
TYPE I/II - LOW ALKALI	6L100007506	06 14 00:20	1	79,020		30,480	48,540	24.270

BULK STANDARD	FUEL-B	NO_BELOW	Total US	79,020 *	30,480 *	48,540 *	24.270 *
			Total CA				

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
3	CENTRAL TRANSPORTATION SERVICE	311816	1836CTS	988CTS	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:
The material herein has been sampled and tested as prescribe by the KDOT and complies with the applicable specification requirements for Type I and Type II (MH) cement in accordance with the requirements of AASHTO. - The Lafarge NA certifies that the cement in this shipment, produced at Sugar Creek, conforms to the requirements of MDOT cement type I/II-
THIS CERTIFIES THAT TYPE I/II CEMENT FROM A MODOT QUALIFIED MANUFACTURER, HAS BEEN MAINTAINED TO MEET MODOT

Prepaid
Shipper Signature/ Date
Driver Signature / Date
Customer Signature / Date

WARNING: Corrosive - May cause severe eye and skin burns. Toxic - May cause lung disease. Read Material Safety Data Sheet (MSDS) OPERATOR

Holcim
KANSAS CITY
141B WARREN ST
NORTH KANSAS CITY MO 64116

805729483

1310 Customer Service
1-800-654-4556

Ship To #1166996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 Time In: 13:56
Rq.Div.Date/Time 00:00 Time Out: 14:02
Customer PO/Dt 2-3529-0086
Order Number/Date 1100459638 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Sealed Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 26,040 lb
Net Weight 53,300 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,300 lb	26.650 tn

Total Weight 26.650 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka... Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified silo Number 2. Holcim (US) Inc. Chicago IL, 60617/North Kansas City Terminal.

Received, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein or of any agreement or agreements in writing between the shipper and carrier or any agent, officer or representative thereof which shall govern the transportation of this shipment, and that the carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (See back hereof for additional terms and conditions.) Shipper hereby certifies that he is familiar with all the terms and conditions of the Uniform Domestic Bill of Lading, including those on the back hereof, and agrees to the terms and conditions contained in this Bill of Lading, which shall be binding on the shipper and accepted for itself and its assigns.

For U.S. Rates, if the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." For Canadian rates by rail, the Agent/Agent Bill of Lading Number shall be the BOL of lading the carrier, acquired in verification of the authenticity of the carrier's weight. Rates, classifications according to agreement.

For U.S. Rates, the motor freight for this shipment conform to the specifications and rates set forth in the governing rate and tariff classifications.

Shipper Imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:

Driver

Customer

Subject to section 7 of conditions, if applicable bill of lading, if this shipment is to be delivered to consignee without recourse on consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignor)

PRD-000 TLSCITY 06/26/2012 15:02:50

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805741071

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 12:40
Rq.Div.Date/Time 00:00 — Time Out: 12:47
Customer PO/Dt 2-3529-0086
Order Number/Date 1100423127 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,240 lb
Tare Weight 25,800 lb
Net Weight 53,440 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,440 lb	26.720 tn
			Total Weight		26.720 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-900 TUSERTY 06/26/2012 13:48:01

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805624367

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 14:16
Rq.Div.Date/Time 00:00 — Time Out: 14:23
Customer PO/Dt 2-3529-0086
Order Number/Date 1100476861 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,260 lb
Tare Weight 26,280 lb
Net Weight 52,980 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,980 lb	26.490 tn
			Total Weight		26.490 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-900 TUSERTY 06/26/2012 18 23:05

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805737631

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREHT
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 14:31
Rq.Div.Date/Time 00:00 — Time Out: 14:38
Customer PO/Dt 2-3529-0086
Order Number/Date 1100077654 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,340 lb
Tare Weight 25,720 lb
Net Weight 53,620 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,620 lb	26.810 tn
			Total Weight		26.810 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-900 TUSERTY 06/26/2012 18:38:48

Holcim KANSAS CITY
1416 WARREN ST
NORTH KANSAS CITY MO 64116

805627550

5210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 — Time In: 12:30
Rq.Div.Date/Time 00:00 — Time Out: 12:37
Customer PO/Dt 2-3529-0086
Order Number/Date 1100490213 / 06/26/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 25,640 lb
Net Weight 53,900 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7899

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,900 lb	26.950 tn
			Total Weight		26.950 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ks., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Loaded By:
Driver
Customer
(Signature of consignee)

PRD-900 TUSERTY 06/26/2012 13:37:37

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

1210 Customer Service
1-800-854-4656

805737630

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/26/2012 Time In: 13:46
Rq.Div.Date/Time 00.00 Time Out: 13:53
Customer PO/Dt 2-3529-0086
Order Number/Date 1100077652 / 06/26/2012
Customer Number 34848
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,120 lb
Tare Weight 26,260 lb
Net Weight 52,860 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,860 lb	26.430 tn
			Total Weight		26.430 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bogies in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-600 TLIBERTY 06/26/2012 14:53:26

LAFARGE NORTH AMERICA

Lafarge North America

#1 2:47 7:50

Signature of Shipper: 67502

Branch/Plant: LAFarge Fredonia KS

Shipped To: Remediation Elderado KS

Page

BOL No. / Load No.	M910288
Sales Order No.	
Shipment No.	
Shipment Date	6/26/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	Type-III			79600	3	1000	78600	24.3
Total US								
Total CA								

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
			4726 NW	6076 NW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

GRANCEM/USA 04/10

M910288 OPERATOR

LAFARGE NORTH AMERICA

Lafarge North America

#2 8:45 11:00 Carrier Code 311816

Signature of Shipper:

Branch/Plant: 67502 Fredonia Plant

Shipped To: Remediation Services

Page

BOL No. / Load No.	M910289
Sales Order No.	
Shipment No.	
Shipment Date	6/27/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement type 1-2	61100177502		8					
Total US				85060	25220	59840		26.0
Total CA								

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2
	CTS		1507 CNW	3007 CNW	

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

GRANCEM/USA 04/10

M910289 OPERATOR

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

1210 Customer Service
1-800-854-4656

805742476

Bill of Lading:

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Shipping Information — Page 1 of 1
Ship Date 06/27/2012 Time In: 14:05
Rq.Div.Date/Time 00:00 Time Out: 14:13
Customer PO/Dt 2-3529-0086
Order Number/Date 1100472646 / 06/27/2012
Customer Number 34848
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,200 lb
Tare Weight 26,180 lb
Net Weight 53,020 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7481
Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,020 lb	26.510 tn
			Total Weight		26.510 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers bogies in lieu of stamp, not a part of Bill of Lading as approved by I.C.C.

Loaded By:
Driver
Customer

(Signature of consignee)

PRO-600 AAMEYER 06/27/2012 18:13:02

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805739706

Page 1 of 1

Shipping Information
Ship Date 06/27/2012 Time In: 16:08
Rq.Div.Date/Time 00:00 Time Out: 16:15
Customer PO/Dt 2-3529-0066
Order Number/Date 1100424751 / 06/27/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557

Scaled Weight (Bulk Only)
Gross Weight 79,140 lb
Tare Weight 26,020 lb
Net Weight 53,120 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,120 lb	26.560 tn
			Total Weight		26.560 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspection in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/27/2012 16:16:14

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805739705

Page 1 of 1

Shipping Information
Ship Date 06/27/2012 Time In: 14:59
Rq.Div.Date/Time 00:00 Time Out: 15:06
Customer PO/Dt 2-3529-0066
Order Number/Date 1100424750 / 06/27/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7550

Scaled Weight (Bulk Only)
Gross Weight 79,380 lb
Tare Weight 26,880 lb
Net Weight 53,500 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,500 lb	26.750 tn
			Total Weight		26.750 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspection in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/27/2012 16:06:37

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805742663

Page 1 of 1

Shipping Information
Ship Date 06/27/2012 Time In: 16:24
Rq.Div.Date/Time 00:00 Time Out: 16:33
Customer PO/Dt 2-3529-0066
Order Number/Date 1100441909 / 06/27/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Scaled Weight (Bulk Only)
Gross Weight 79,840 lb
Tare Weight 25,760 lb
Net Weight 54,080 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,080 lb	27.040 tn
			Total Weight		27.040 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspection in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 RYCHMACK 06/27/2012 16:33:40

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

5310 Customer Service 1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading: 805721273

Page 1 of 1

Shipping Information
Ship Date 06/27/2012 Time In: 14:46
Rq.Div.Date/Time 00:00 Time Out: 14:51
Customer PO/Dt 2-3529-0066
Order Number/Date 1100389655 / 06/27/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7203

Scaled Weight (Bulk Only)
Gross Weight 79,140 lb
Tare Weight 26,020 lb
Net Weight 53,120 lb

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Site	Vol. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,120 lb	26.560 tn
			Total Weight		26.560 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka., Specifications for Highway Construction, ASTM, C-989 Grade 100, and was loaded from tested and certified site Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers inspection in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer
(Signature of consignor)

PRO-800 AAMEYER 06/27/2012 16:51:43

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805752822

210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/28/2012 Time In: 08:44
Rq.Div.Date/Time 00:00 Time Out: 08:51
Customer PO/Dt 2-3529-0086
Order Number/Date 1100499615 / 06/28/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 82,220 lb
Tare Weight 28,040 lb
Net Weight 54,180 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7306
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	54,180 lb	27.090 tn
			Total Weight		27.090 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 06/28/2012 08:51:52

LAFARGE NORTH AMERICA

#1 10:13

Lafarge North America

Signature of Shipper: 67502

Page

Branch/Plant: LA Farge Fredonia KS

Shipped To: Remediation El Dorado KS

BOL No. / Load No.	M910290
Sales Order No. / Shipment No.	
Shipment Date	6/23/12
Customer Requested Delivery Date	
Customer Requested Delivery Time	

Pallets Returned

Sold To	Customer Purchase Order No.

Item Description	Item No.	Begin/End	Silo	Bags or Gross KG LB	PLT	Bag Wgt or Tare KG LB	Net KG LB	Total TM TS
Cement	TYPE 1/1A		8	74960		28900	570600	25.53
		Total US						
		Total CA						

Additional Sales Order No. - If Applicable

Special Delivery Instructions:

Mode	Carrier Full Name	Carrier Code	Tractor/Rail Car	Trailer 1	Trailer 2

Rail Route Description	Transportation Contract	Trailer 1 Seal No.	Trailer 2 Seal No.

State Stamp:

Shipper Signature/Date
Driver Signature/Date
Customer Signature/Date

CDRAB/SLR4 0409

M910290

OPERATOR

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805741098

210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/29/2012 Time In: 06:06
Rq.Div.Date/Time 00:00 Time Out: 06:12
Customer PO/Dt 2-3529-0086
Order Number/Date 1100423162 / 06/29/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,480 lb
Tare Weight 26,240 lb
Net Weight 53,240 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7650
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,240 lb	26.620 tn
			Total Weight		26.620 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 06/29/2012 06:12:55

Holcim KANSAS CITY
1415 WARREN ST
NORTH KANSAS CITY MO 64116

805750046

210 Customer Service
1-800-854-4656

Ship To #1168996

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Bill of Lading:

Shipping Information — Page 1 of 1
Ship Date 06/29/2012 Time In: 05:14
Rq.Div.Date/Time 00:00 Time Out: 05:20
Customer PO/Dt 2-3529-0086
Order Number/Date 1100156963 / 06/29/2012
Customer Number 34546
Reference

Conditions
Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,260 lb
Tare Weight 26,620 lb
Net Weight 52,640 lb

Carrier/Vehicle Details
Carrier Code 4001938
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7557
Certified For State
Job Number
Acc. Charge
Equip. Type 6000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	52,640 lb	26.321 tn
			Total Weight		26.321 tn

ENVIROCORE

Shipping Instruction
This ground granulated blast slag meets the requirements: Ka.,
Specifications for Highway Construction, ASTM, C-989 Grade 100, and was
loaded from tested and certified silo Number 2. Holcim (US) Inc.
Chicago IL, 60617/North Kansas City Terminal.

Shippers imprint in lieu of stamp, not a part of Bill of Lading as approved by I.C.C

Loaded By:
Driver
Customer

(Signature of consignor)

PRD-900 TLIBERTY 06/29/2012 06:21:00

Holcim KANSAS CITY 1415 WARREN ST NORTH KANSAS CITY MO 64116

805626094

2310 Customer Service 1-800-854-4656

Ship To #1168996

Bill of Lading:

Shipping Information — Page 1 of 1

Ship Date 06/28/2012 — Time In: 15:22
Rq.Dlv.Date/Time 00:00 — Time Out: 15:33
Customer PO/Dt 2-3529-0086
Order Number/Date 1100087842 / 06/28/2012
Customer Number 34546
Reference

REMEDIAL CONSTRUCTION SERVICES L.P
RECON - EL DORADO ENERGY
1835 NORTH TOPEKA STREET
EL DORADO KS 67042
USA

Conditions

Delivery FP
Route

Scaled Weight (Bulk Only)
Gross Weight 79,540 lb
Tare Weight 26,800 lb
Net Weight 53,740 lb

Carrier/Vehicle Details
Carrier Code 4001936
Carrier Name CONTRACTORS CARTAGE, INC.
Contract#
Vehicle 7310

Certified For State
Job Number
Acc. Charge
Equip. Type 5000056

Shipping Details

Material	Description	Silo	Val. Type	Quantity	Weight
14	GRANCEM 100	6002	7530	53,740 lb	26.869 tn
			Total Weight		26.869 tn

ENVIROCORE

Shipping Instruction

Received, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Bill of Lading (Section 1 of Rule 1 of the National Motor Freight Classification A-400 in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Agreed by shipper and accepted for himself and his assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including the terms and conditions of the carrier's applicable tariffs, which are hereby incorporated herein and made a part hereof, and shall be binding upon the parties hereto and their successors and assigns. Shipper hereby certifies that he is familiar with all the terms and conditions of the Uniform Domestic Bill of Lading (Section 1 of Rule 1 of the National Motor Freight Classification A-400 in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, and agrees to be bound by the terms and conditions of the said bill of lading, including the terms and conditions of the carrier's applicable tariffs, which are hereby incorporated herein and made a part hereof

APPENDIX D
HAZARD ASSESSMENT REPORTS

MWH

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3936

August 3, 2010

Attn: Mr. Rick Meyers - Project Manager - Cellular 713 / 517-1505
Remedial Construction Services, L.P.
1488 Cox Avenue
Erlanger, KY 41018

Office Phone Number: 859 / 746-1140 - Ext. 101
Office Fax Number; 859 / 746-1096

RE: Asbestos Inspection - ElPaso / " Old " Coastal Refinery in El Dorado, KS
Inspect 12 Structures Scheduled to be Demolished for Asbestos-Containing Building Materials
ACM Project Number 2010-178

Dear Mr. Meyers:

Per your request, we performed an Asbestos Inspection at the above referenced project on July 28, 2010. After our on site review, physical touch of suspect materials and sampling these suspect Asbestos Containing Materials (ACM), we report the following results:

See attached Site Plan for Building Numbers.

Building # 1: Gray metal siding and roof, approximately 2,754 Square Feet (SF) on concrete slab.

SAMPLE # 001: No Asbestos Detected " NAD
Composite sheetrock board, mud compound, and seam tape
Structure may be demolished after the required KDHE 10 working day notification review period is completed.

Building # 2: Pink metal siding and roof, approximately 1,000 SF on concrete slab.

SAMPLE # 002: ACM 2 % Chrysotile Asbestos - Considered Non-Friable by both the KDHE & EPA
Black mastic, approximately 1,000 SF
SAMPLE # 003: NAD - Wall texture
SAMPLE # 004: NAD - Composite sheetrock board, mud compound, and seam tape
SAMPLE # 005: ACM 2 % Chrysotile Asbestos - Considered Non-Friable by both the KDHE & EPA
Floor Tile, approximately 3 SF in east bath
SAMPLE # 006: NAD - 2' x 4' Ceiling tile

Structure may be demolished after the required KDHE 10 working day notification review period is completed.
* Special Note, KDHE will require the tile / mastic to be removed from the structure, if you plan to recycle the concrete.

Continue on next page...

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3936

Asbestos Inspection - ElPaso / " Old " Coastal Refinery in El Dorado, KS
Inspect 12 Structures Scheduled to be Demolished for Asbestos-Containing Building Materials
ACM Project Number 2010-178

Building # 3: Blue metal siding and roof, approximately 1,000 SF on concrete slab.

SAMPLE # 007: NAD - 2' x 4' Ceiling tile
SAMPLE # 008: ACM 25 % Asbestos - 10% Chrysotile & 15% Crocidolite - Category II - Non-Friable
Transite flue pipe, approximately 8 Lineal Feet (LF) on top of hot water heater
SAMPLE # 009: NAD - 12" x 12" floor tile
SAMPLE # 010: NAD - Yellow mastic
SAMPLE # 011: NAD - Composite sheetrock board, mud compound, and seam tape

Structure may be demolished after the required KDHE 10 working day notification review period is completed.
* Special Notes, KDHE will require the transite flue to be removed prior to the demolition of the structure. OSHA Requires asbestos awareness training to remove tile, mastic and transite.

Building # 4: Red brick, rolled asphalt with gravel roof, approximately 5,600 SF on concrete slab.

SAMPLE # 012: NAD - Sheet vinyl flooring, west entry
SAMPLE # 013: NAD - Sheet vinyl flooring, women's restroom
SAMPLE # 014: NAD - Sheet vinyl flooring, men's restroom
SAMPLE # 015: NAD - Composite sheetrock board, mud compound, and seam tape
SAMPLE # 016: ACM 25 % Chrysotile Asbestos - Category II - Non-Friable
50 SF of transite panels on northend of building

Structure may be demolished after the required KDHE 10 working day notification review period is completed.
* Special Notes, KDHE will require the transite to be removed prior to the demolition of the structure. OSHA Requires asbestos awareness training to remove transite.

Building # 5: Blue metal siding and roof, approximately 252 SF on concrete slab.

SAMPLE # 017: ACM 90 % Amosite Asbestos - Considered Friable
7 LF of Pipe-Covering on the outside of building on the east side.
KDHE requires friable asbestos to be removed prior to demolition by a KS Licensed Asbestos Contractor. After removed, the structure may be demolished after the required KDHE 10 working day notification review period is completed.

Building # 6: Blue metal siding and roof, approximately 462 SF quare Feet (SF) on concrete slab.

NO SAMPLES REQUIRED
Structure may be demolished after the required KDHE 10 working day notification review period is completed.

Continue on next page...

e-mail: acmremoval@att.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206
www.acmremoval.net
environmental & specialty contractor
no job too big, no job too small.

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3936

Asbestos Inspection - ElPaso / " Old " Coastal Refinery in El Dorado, KS
Inspect 12 Structures Scheduled to be Demolished for Asbestos-Containing Building Materials
ACM Project Number 2010-178

Building # 7: Red brick, no roof, approximately 240 SF on concrete slab.

NO SAMPLES REQUIRED
Structure may be demolished after the required KDHE 10 working day notification review period is completed.

SAMPLE # 018: NAD
Insulation on pipe in piperack between buildings # 7 and # 8

Building # 8: Red brick, metal roof, approximately 520 SF on concrete slab.

NO SAMPLES REQUIRED
Structure may be demolished after the required KDHE 10 working day notification review period is completed.

Building # 9: White metal siding and roof, approximately 1,344 SF on concrete slab.

NO SAMPLES REQUIRED
Structure may be demolished after the required KDHE 10 working day notification review period is completed.

Building # 10: Yellow concrete block construction, approximately 1,900 SF on concrete slab.

SAMPLE # 019: ACM 8 % Chrysotile Asbestos - Considered Non-Friable by both the KDHE & EPA
Black mastic, approximately 1,900 SF
SAMPLE # 020: NAD - Composite sheetrock board, mud compound, and seam tape
SAMPLE # 021: NAD - 2' x 4' Ceiling tile
Structure may be demolished after the required KDHE 10 working day notification review period is completed.
* Special Note, KDHE will require the tile / mastic to be removed from the structure, if you plan to recycle the concrete.

Building # 11: Blue metal siding & roof, approximately 600 SF on concrete slab.

NO SAMPLES REQUIRED
Structure may be demolished after the required KDHE 10 working day notification review period is completed.

Continue on next page...

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3936

Asbestos Inspection - ElPaso / " Old " Coastal Refinery in El Dorado, KS
Inspect 12 Structures Scheduled to be Demolished for Asbestos-Containing Building Materials
ACM Project Number 2010-178

Building # 12: Silver metal siding & roof, approximately 2,100 SF on concrete slab.
SAMPLE # 022: NAD - Black mastic
SAMPLE # 023: ACM 4 % Chrysotile Asbestos - Considered Non-Friable by both the KDHE & EPA
Floor Tile, approximately 600 SF
SAMPLE # 024: ACM 25 % Chrysotile Asbestos - Category II - Non-Friable
60 SF of transite panels in lab, located on the northeast corner of building
SAMPLE # 025: NAD - Composite sheetrock board, mud compound, and seam tape
SAMPLE # 026: NAD - 12" x 12" Ceiling tile
SAMPLE #027: NAD - 2' x 4' Ceiling tile

Structure may be demolished after the required KDHE 10 working day notification review period is completed.
* Special Notes, KDHE will require the transite flue to be removed prior to the demolition of the structure. OSHA Requires asbestos awareness training to remove tile, mastic and transite.
* Special Note, KDHE will require the tile / mastic to be removed from the structure, if you plan to recycle the concrete.

Bidding Contractors are responsible for all field measurements, NO EXCEPTIONS.

This survey was performed by an EPA accredited inspector, and samples analysis was performed by a NVLAP and AIHA accredited laboratory. ACM REMOVAL, LLC cannot guarantee that a structure is asbestos-free or that all asbestos-containing materials (ACM) were identified since the possibility exists that there may be ACM hidden from sight by non-ACM or in inaccessible areas.

This report has been prepared for the exclusive use of our client, in accordance with generally accepted asbestos survey practices within the constraints of the client's directives. No warranties, either expressed or implied, are intended or made. Conclusions drawn by others from the results of this survey, as described in this report, should recognize the limitations of the survey methods used.

If you have questions or need anything further, please advise. We appreciate the opportunity to be of service.

Yours truly, ACM REMOVAL, LLC - Robin Siefkin - Partner / Owner
EPA Certified Asbestos Inspector
24 / 7 @ (316) 218 - 3936

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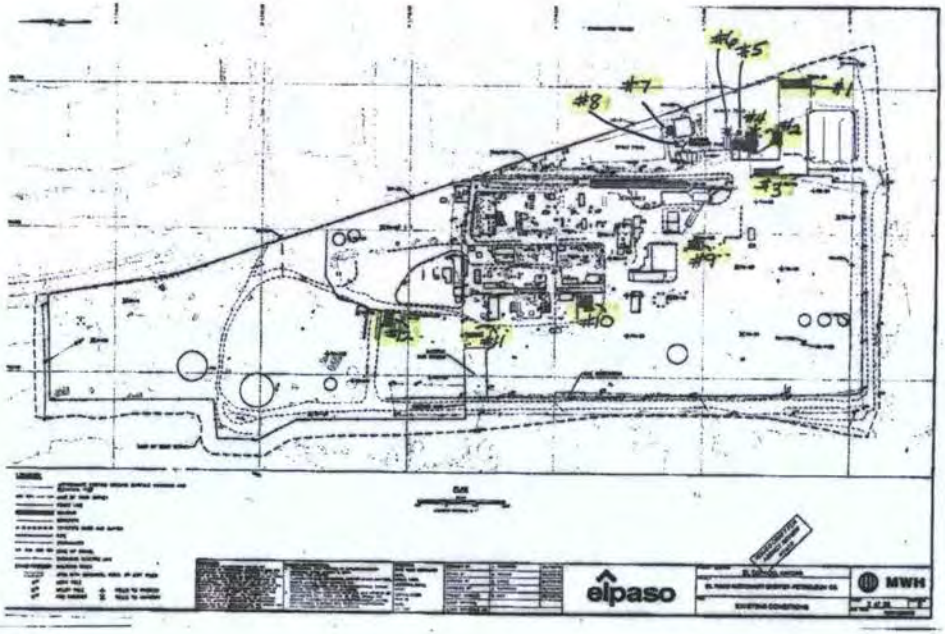

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"OLD" EL PASO REFINERY, EL DORADO, KS. #2010-178 7/28/2010

BLDG. #1 GRAY METAL SIDED + ROOF APPROX. 2724 FT. ON CONCRETE PAD
001- S.W. CORNER BY ENTRY DOOR - CONTROL SHEETROCK, MUD + TAPE APPROX. 1422 FT. (NEW)

BLDG. #2 PINK METAL SIDED + ROOF ON CONCRETE PAD APPROX. 1020 FT.
002- BLACK MASTIC ON CONCRETE PAD. APPROX. 1000 FT.
003- WEST BATH RM - WEST WALL "TRANS-ON WALLTEXTURE" APPROX. 50 FT.
004- CONTROL SHEETROCK, MUD + TAPE APPROX. 2100 FT.
005- EAST BATH "TILE FLOORING" APPROX. 3 FT.
006- 2'X4' CERAMIC TILE APPROX. 1000 FT.

BLDG. #3 BLUE METAL SIDED + ROOF ON CONCRETE PAD APPROX. 1000 FT.
007- SOUTH SIDE OF BLDG. - BLUE 2'X4' CERAMIC TILE APPROX. 72 FT.
008- TRANSITE PIPE 14" DIA OF H.O. VENT. APPROX. 3 L.F.
009- 12X12 FLOOR TILE UNDERNEATH OF BLDG. APPROX. 320 FT. ON O.S. WALL
010- " " " YELLOW MASTIC " " " " "
011- CONTROL SHEETROCK, MUD + TAPE APPROX. 1800 FT.

BLDG. #4 RED BRICK APPROX. 5400 FT. ROLLED ASPHALT COVERING + GRAVEL ROOFING ON CONCRETE
012- WEST ENTRY WALK-IN RAMPS APPROX. 50 FT.
013- MEN'S RESTROOM WALK-IN RAMPS APPROX. 30 FT.
014- MEN'S RESTROOM " " " APPROX. 30 FT. } SAME ENTRYWAY BLDG. UNDER CONCRETE TOTAL - 110
015- CONTROL SHEETROCK, MUD + TAPE APPROX. 6300 FT.
016- INTERIOR BLDG. W/ LAB. - TRANSITE PANELS APPROX. 50 FT.

BLDG. #5 BLUE METAL SIDED + ROOF APPROX. 252 FT. ON CONCRETE - NO SAMPLES TAKEN
017- OUTSIDE BLDG. #5 EAST SIDE APPROX. 7 L.F. PIPE INSULATION

BLDG. #6 BLUE METAL SIDED + ROOF APPROX. 462 FT. ON CONCRETE NO SAMPLES TAKEN

BLDG. #7 RED BRICK (NO ROOF) APPROX. 242 FT. NO SAMPLES TAKEN
018- PIPE TRACK BETWEEN BLDG. #7 & #8 - PIPE INSULATION APPROX. 70 L.F.

BLDG. #8 RED BRICK - METAL ROOF APPROX. 520 FT. NO SAMPLES TAKEN

BLDG. #9 WHITE METAL SIDING + ROOF APPROX. 1344 FT. ON CONCRETE NO SAMPLES TAKEN

BLDG. #10 YELLOW CONCRETE BLOCK CONST. APPROX. 1500 FT.
019- BLACK FLOOR MASTIC APPROX. 1500 FT.
020- CONTROL SHEETROCK, MUD + TAPE APPROX. 6300 FT.

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Pg. 2
7/28/2010

"OLD" ELDRAO REFINERY ELDORADO, KS.

BLDG. #11
BLUE METAL SIDED + METAL ROOF ON CONCRETE PAD APPROX. 600" FT.
METAL FLOOR, WALLS + CEILING - NO SAMPLES TAKEN

BLDG. #12
SILVER METAL SIDED + ROOF ON CONCRETE PAD APPROX. 2100" FT.
022 - BLACK MASTIC ON FLOOR APPROX. 300" FT.
023 - 12"x12" FLOOR TILE " 600" FT.
024 - TRANSITE PANELS IN LAB., LOCATED N.E. CORNER OF BLDG. APPROX. 60" FT.
025 - COMPOSITE SHEETROCK, MUD + TAPE APPROX. 5200" FT.
026 - 12"x12" CEILING TILE, S.W. CORNER RM. APPROX. 150" FT.
027 - 2'x4' " " APPROX. 1800" FT.

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EHS Laboratories
Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 10-07-04168

Client: ACM Removal LLC
260 N. Rock Rd. Ste.204
Wichita, KS 67206

Received Date: 07/30/2010
Analyzed Date: 07/30/2010
Reported Date: 07/30/2010

Project/Test Address: 2010-178; El Paso Petroleum; Demolition of 12 Structures @ El Dorado, KS

Client Number: 17-6423

Fax Number: 316-684-3500

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-07-04168-001	001		White Chalky	NAD	100% Non-Fibrous
10-07-04168-002	002		Black Adhes.	2% Chrysotile	98% Non-Fibrous
			Total Asbestos:	**2%**	
10-07-04168-003	003		White Brittle	NAD	100% Non-Fibrous
10-07-04168-004	004		White Chalky, Brown Fib.	NAD	20% Cellulose 80% Non-Fibrous
10-07-04168-005A	005	Tile	Brown Vinyl	2% Chrysotile	98% Non-Fibrous
			Total Asbestos:	**2%**	
10-07-04168-005B	005	Mastic	Yellow Adhes.	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 17-8423
Project/Test Address: 2010-178; El Paso Petroleum; Demolition of 12 Structures @ El Dorado, KS
Report Number: 10-07-04168

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-07-04168-006	006		Brown Fib.; White Paint-Like	NAD	85% Cellulose 15% Non-Fibrous
10-07-04168-007	007		Brown Fib.; Blue Paint-Like	NAD	85% Cellulose 15% Non-Fibrous
10-07-04168-008	008		Gray Cement.	10% Chrysotile 15% Crocidolite	75% Non-Fibrous
			Total Asbestos:	25%	
10-07-04168-009	009		Tan Vinyl	NAD	100% Non-Fibrous
10-07-04168-010	010		Yellow Adhes.	NAD	100% Non-Fibrous
10-07-04168-011	011		Tan Powdery	NAD	100% Non-Fibrous
10-07-04168-012A	012	Linoleum	Tan Vinyl; Tan Fib.	NAD	35% Cellulose 5% Fibrous Glass 60% Non-Fibrous
10-07-04168-012B	012	Mastic	Yellow Adhes.	NAD	100% Non-Fibrous
10-07-04168-013A	013	Linoleum	Gray Vinyl; Tan Fib.	NAD	35% Cellulose 5% Fibrous Glass 60% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 17-8423
Project/Test Address: 2010-178; El Paso Petroleum; Demolition of 12 Structures @ El Dorado, KS
Report Number: 10-07-04168

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-07-04168-013B	013	Mastic	Yellow Adhes.	NAD	100% Non-Fibrous
10-07-04168-013C	013	Linoleum	Tan Vinyl; Tan Fib.	NAD	35% Cellulose 5% Fibrous Glass 60% Non-Fibrous
10-07-04168-014A	014	Linoleum	Brown Vinyl; Tan Fib.	NAD	35% Cellulose 5% Fibrous Glass 60% Non-Fibrous
10-07-04168-014B	014	Mastic	Yellow Adhes.	NAD	100% Non-Fibrous
10-07-04168-015	015		White Chalky; Brown Fib.	NAD	20% Cellulose 80% Non-Fibrous
10-07-04168-016	016		Black Cement.	25% Chrysotile	75% Non-Fibrous
			Total Asbestos:	25%	
10-07-04168-017	017		Gray Fib.	90% Amosite	10% Non-Fibrous
			Total Asbestos:	90%	
10-07-04168-018	018		White Powdery; Fib.	NAD	5% Fibrous Glass 30% Synthetic 65% Non-Fibrous
10-07-04168-019	019		Black Tar-Like	8% Chrysotile	92% Non-Fibrous
			Total Asbestos:	8%	

Environmental Hazards Services, L.L.C

Client Number: 17-6423
Project/Test Address: 2010-178; El Paso Petroleum; Demolition of 12 Structures @ El Dorado, KS
Report Number: 10-07-04168

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-07-04168-020	020		White Chalky	NAD	12% Fibrous Glass 88% Non-Fibrous
10-07-04168-021	021		White Fib.	NAD	65% Cellulose 35% Fibrous Glass 10% Non-Fibrous
10-07-04168-022	022		Black Brittle	NAD	100% Non-Fibrous
10-07-04168-023	023		Tan Vinyl	4% Chrysotile	96% Non-Fibrous
			Total Asbestos:	**4%**	
10-07-04168-024	024		Gray Cement.	25% Chrysotile Trace <1% Crocidolite	75% Non-Fibrous
			Total Asbestos:	**25%**	
10-07-04168-025	025		White Gran.; Beige Chalky	NAD	5% Cellulose 10% Fibrous Glass 85% Non-Fibrous
10-07-04168-026	026		White Fib.	NAD	90% Cellulose 10% Non-Fibrous
10-07-04168-027	027		Black Fib.	NAD	45% Cellulose 45% Fibrous Glass 10% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 17-6423
Project/Test Address: 2010-178; El Paso Petroleum; Demolition of 12 Structures @ El Dorado, KS
Report Number: 10-07-04168

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials

QC Sample: 63-NY-33-3478
QC Blank: SRM 1866 Fiberglass
Reporting Limit: 1% Asbestos
Method: EPA Method 600/R-93/116
Analyst: Araceli Enzler, Sami Hosn

Reviewed By Authorized Signatory: Howard B. Varner

Howard Varner

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

EL PASO PETROLEUM - EL DORADO, KS

ORIGINAL SCOPE
DEMO. 12 BLDGS.
PAGE 1 OF 4

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

CHAIN OF CUSTODY FORM

Company Name: ACM Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 Fax #: (316) 684-3500
P.O. #: 2010-178

Date: 29 JULY 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES MILLER
Project #: 2010-178 EL PASO PETROLEUM DEMOLITION OF 12 STRUCTURES @ EL DORIDO, KS

3-day SAME DAY X NEXT DAY

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (TEM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable*	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area	Comments
001	7/29/10	X																								
002		X																								
003		X																								
004		X																								
005		X																								
006		X																								
007		X																								
008		X																								
009		X																								
010		X																								
011		X																								

Particulate: Total Nuisance (NIOSH 0500) ☐
Respirable (NIOSH 0500) ☐

Comments: *Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal

10-07-04168

Due Date: 07/30/2010 (Friday) F

ACM REMOVAL
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acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 29 JULY 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time:
Received by: BH	Signature:	Date/Time: 7/30/10

revised 2/2002

EL PASO PETROLEUM - EL DORADO, KS

ORIGINAL SCOPE
DEMO. 12 BLDGS.
PAGE 2 OF 4

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3-day SAME DAY X NEXT DAY

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (TEM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable*	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area(cm²)	Comments
012	7/29/10	X																								
013		X																								
014		X																								
015		X																								
016		X																								
017		X																								
018	7/29/10	X																								

Comments: *Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 5-7 DAY

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Released by: ROBIN SIEFKIN	Signature:	Date/Time: 29 JULY 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time:
Received by:	Signature:	Date/Time:

revised 2/2002

EL PASO PETROLEUM - EL DORADO KS
ORIGINAL SCOPE
DEMO. 12 BLDGS.
PAGE 3 OF 4

4168

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Project #: 2010-178 EL PASO PETROLEUM DEMOLITION OF 12 STRUCTURES @ EL DORADO KS

3 day ☐ 5 day ☐ 7 day ☐ 10 day ☐ 14 day ☐ 21 day ☐ 28 day ☐ 30 day ☐ 45 day ☐ 60 day ☐ 90 day ☐ 120 day ☐ 180 day ☐ 1 year ☐ 2 year ☐ 3 year ☐ 4 year ☐ 5 year ☐ 6 year ☐ 7 year ☐ 8 year ☐ 9 year ☐ 10 year ☐ NEXT DAY X

Particulate: Total Nuisance (NIOSH 0500) ☐ Respirable (NIOSH 0600) ☐

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable *	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments * Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 6-7 DAY
019	7/29/10	X																								
020	↓	X																								
021	↓	X																								

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* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 29 JULY 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time:
Received by:	Signature:	Date/Time:

revised 2/2002

Jul 30 2010 04:19pm P003/010

Fax:

EL PASO PETROLEUM - EL DORADO KS
ORIGINAL SCOPE
DEMO. 12 BLDGS
PAGE 4 OF 4

4168

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3 day ☐ 5 day ☐ 7 day ☐ 10 day ☐ 14 day ☐ 21 day ☐ 28 day ☐ 30 day ☐ 45 day ☐ 60 day ☐ 90 day ☐ 120 day ☐ 180 day ☐ 1 year ☐ 2 year ☐ 3 year ☐ 4 year ☐ 5 year ☐ 6 year ☐ 7 year ☐ 8 year ☐ 9 year ☐ 10 year ☐ NEXT DAY X

Particulate: Total Nuisance (NIOSH 0500) ☐ Respirable (NIOSH 0600) ☐

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable *	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments * Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 6-7 DAY
022	7/29/10	X																								
023	↓	X																								
024	↓	X																								
025	↓	X																								
026	↓	X																								
027	↓	X																								

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
Robin Siefkin, Owner
24/7 cell: (316) 218-3938
acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 29 JULY 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time:
Received by:	Signature:	Date/Time:

revised 2/2002

Jul 30 2010 04:19pm P010/010

Fax:

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

GENERAL INSTRUCTIONS: This Asbestos Demolition Notification Form is to be completed and submitted before a building or structure is to be demolished. NOTE: IF THE BUILDING OR STRUCTURE CONTAINS FRIABLE ASBESTOS-CONTAINING MATERIALS, THE ASBESTOS NOTIFICATION FORM (ET-ASB8) MUST BE COMPLETED AND SUBMITTED TO THE DEPARTMENT. THIS ASBESTOS DEMOLITION FORM WILL NOT BE ACCEPTED FOR REPORTING THE REMOVAL OF FRIABLE ASBESTOS-CONTAINING MATERIALS FROM BUILDINGS SCHEDULED FOR DEMOLITION. This form is to be received by the Department not less than 10 working days before the demolition project is scheduled to start. Any notification that is incomplete or any notification indicating site activities to be in violation of applicable regulations will be considered an invalid notification.

Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 1

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 2,754 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178

"OLD" EL PASO REFINERY STRUCTURE 1 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/ A

Nonfriable Category II: N/ A s.f. N/A l.f. N/A c. yd.

Friable Asbestos N/A s.f. N/A lf N/A c. yd.

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

GENERAL INSTRUCTIONS: This Asbestos Demolition Notification Form is to be completed and submitted before a building or structure is to be demolished. NOTE: IF THE BUILDING OR STRUCTURE CONTAINS FRIABLE ASBESTOS-CONTAINING MATERIALS, THE ASBESTOS NOTIFICATION FORM (ET-AS88) MUST BE COMPLETED AND SUBMITTED TO THE DEPARTMENT. THIS ASBESTOS DEMOLITION FORM WILL NOT BE ACCEPTED FOR REPORTING THE REMOVAL OF FRIABLE ASBESTOS-CONTAINING MATERIALS FROM BUILDINGS SCHEDULED FOR DEMOLITION. This form is to be received by the Department not less than 10 working days before the demolition project is scheduled to start. Any notification that is incomplete or any notification indicating site activities to be in violation of applicable regulations will be considered an invalid notification.

Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:

ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 2

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, LP.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner: _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 1,000 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/2010 Completion ___/___/2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178

"OLD" EL PASO REFINERY STRUCTURE 2 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: BLACK MASTIC - 1,000 SF AND 3 SF OF FLOOR TILE

Nonfriable Category II: N/A

Friable Asbestos N/ A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

GENERAL INSTRUCTIONS: This Asbestos Demolition Notification Form is to be completed and submitted before a building or structure is to be demolished. NOTE: IF THE BUILDING OR STRUCTURE CONTAINS FRIABLE ASBESTOS-CONTAINING MATERIALS, THE ASBESTOS NOTIFICATION FORM (ET-ASB8) MUST BE COMPLETED AND SUBMITTED TO THE DEPARTMENT. THIS ASBESTOS DEMOLITION FORM WILL NOT BE ACCEPTED FOR REPORTING THE REMOVAL OF FRIABLE ASBESTOS-CONTAINING MATERIALS FROM BUILDINGS SCHEDULED FOR DEMOLITION. This form is to be received by the Department not less than 10 working days before the demolition project is scheduled to start. Any notification that is incomplete or any notification indicating site activities to be in violation of applicable regulations will be considered an invalid notification.

Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 3

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 1,000 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 3 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/ A

Nonfriable Category II: TRANSITE FLUE PIPE - 8 LF

Friable Asbestos N/ A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

Transite shall be removed by hand prior to the demolition process occurring.

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 4

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 5600 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start __/__/2010 Completion __/__/2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 4 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/ A

Nonfriable Category II: TRANSITE PANELS - 50 SF

Friable Asbestos N/ A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

Transite panels shall be removed by hand prior to the demolition occurring.

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 5

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 252 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 5 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/A

Nonfriable Category II: N/A

Friable Asbestos PIPE INSULATION - 7 LF

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

The friable pipe-covering shall be removed by a KS Licensed Asbestos Contractor prior to the demolition process occurring. Hopefully they will hire the best. ACM Removal, LLC.

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):
N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 6

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 462 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/2010 Completion ___/___/2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 6 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/A

Nonfriable Category II: N/A

Friable Asbestos N/A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

GENERAL INSTRUCTIONS: This Asbestos Demolition Notification Form is to be completed and submitted before a building or structure is to be demolished. NOTE: IF THE BUILDING OR STRUCTURE CONTAINS FRIABLE ASBESTOS-CONTAINING MATERIALS, THE ASBESTOS NOTIFICATION FORM (ET-ASB8) MUST BE COMPLETED AND SUBMITTED TO THE DEPARTMENT. THIS ASBESTOS DEMOLITION FORM WILL NOT BE ACCEPTED FOR REPORTING THE REMOVAL OF FRIABLE ASBESTOS-CONTAINING MATERIALS FROM BUILDINGS SCHEDULED FOR DEMOLITION. This form is to be received by the Department not less than 10 working days before the demolition project is scheduled to start. Any notification that is incomplete or any notification indicating site activities to be in violation of applicable regulations will be considered an invalid notification.

Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 7

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, LP.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 240 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 7 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/A

Nonfriable Category II: N/A

Friable Asbestos N/A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 8

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, LP.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 520 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 8 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/ A

Nonfriable Category II: N/ A

Friable Asbestos N/ A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 9

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 1,344 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start __/__/ 2010 Completion __/__/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 9 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/A

Nonfriable Category II: N/A

Friable Asbestos N/A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to: KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 10

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____
City ELDORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 1,900 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 10 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: BLACK FLOOR MASTIC - 1,900 S.F.

Nonfriable Category II: N/A

Friable Asbestos N/A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order.

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

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Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 11

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, LP

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 600 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start ___/___/ 2010 Completion ___/___/ 2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178

"OLD" EL PASO REFINERY STRUCTURE 11 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: N/ A

Nonfriable Category II: N/ A

Friable Asbestos N/ A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

N/A

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse?
_____ Yes X No If yes, attach copy of the order

PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____

Postmark Date _____
For Office Use Only

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS DEMOLITION NOTIFICATION FORM

GENERAL INSTRUCTIONS: This Asbestos Demolition Notification Form is to be completed and submitted before a building or structure is to be demolished. NOTE: IF THE BUILDING OR STRUCTURE CONTAINS FRIABLE ASBESTOS-CONTAINING MATERIALS, THE ASBESTOS NOTIFICATION FORM (ET-ASB8) MUST BE COMPLETED AND SUBMITTED TO THE DEPARTMENT. THIS ASBESTOS DEMOLITION FORM WILL NOT BE ACCEPTED FOR REPORTING THE REMOVAL OF FRIABLE ASBESTOS-CONTAINING MATERIALS FROM BUILDINGS SCHEDULED FOR DEMOLITION. This form is to be received by the Department not less than 10 working days before the demolition project is scheduled to start. Any notification that is incomplete or any notification indicating site activities to be in violation of applicable regulations will be considered an invalid notification.

Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I nonfriable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are considered to be friable. Category II nonfriable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling or pulverizing during the process of demolition of the building or structure.

Mail the original, signed and completed form to:
ACM PROJECT NO 2010-178
"OLD" EL PASO REFINERY
EL DORADO, KS
STRUCTURE 12

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
ASBESTOS CONTROL SECTION
1000 SW JACKSON, SUITE 310
TOPEKA, KANSAS 66612-1366
(785) 296-6024

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name Mr. Rick Meyers Title Project Manager

Signature _____ Date _____

Name of Firm Remedial Construction Services, L.P.

Telephone No. (859) 746-1140 ext. 101 - FAX NO. 746-1096

PART B PROJECT DESCRIPTION

Building/Structure Owner _____

Owner Address: Street _____

City EL DORADO State KS Zip 67042

Owner Contact: Name _____ Telephone No. ( ) -

Building Address: Street _____ City EL DORADO, KS County _____

Present Use: VACANT Past Use: REFINERY Age of Building: UNKNOWN

Building Floor Space: (sq ft) 2,100 + - SQ. FT. No. of Floors: ONE

Scheduled Demolition Start __/__/2010 Completion __/__/2010

Describe how building will be demolished: CONVENTIONAL - BACKHOE OR BULLDOZER

PART C INSPECTION INFORMATION ACM PROJECT NO. 2010-178
"OLD" EL PASO REFINERY STRUCTURE 12 EL DORADO, KS

Was an inspection for asbestos conducted for this project? X Yes _____ No

If yes, provide the following information:

Inspector Name JAMES MILLER FOR ACM Date Inspected 28 JULY 2010

Address 260 N. ROCK RD. STE. 204 City WICHITA State KS

Telephone No. (316) 218-3936

Accreditation by ASBESTOS TESTING CONSULTING (ACT) Exp. Date NOV. 12, 2010

Provide method used to detect the presence of asbestos material, including analytical methods: ON SITE REVIEW, PHYSICAL TOUCH OF SUSPECT MATERIALS AND PLM BULK SAMPLING WITH ANALYSIS.

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State _____ Zip _____

Contact: _____ Telephone No. ( ) -

PART E IDENTIFIED ASBESTOS CONTAINING MATERIALS

Nonfriable Category I: FLOOR TILE - 600 SF

Nonfriable Category II: TRANSITE PANELS - 60 SF

Friable Asbestos N/A

If friable asbestos-containing materials are present state who will be removing the material and when it will be removed:

N/A

If nonfriable Category II asbestos-containing materials are present, briefly state the work practices intended to be used to insure these materials do not become friable (crushed, crumbled, or pulverized):

Transite panels shall be removed by hand prior to the demolition process occurring.

Is building or structure to be burned? _____ Yes X No If yes, attach a copy of the required approval letter from KDHE. NOTE: All asbestos-containing materials and any additional materials, as required by the Department, must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger if imminent collapse? _____ Yes X No If yes, attach copy of the order

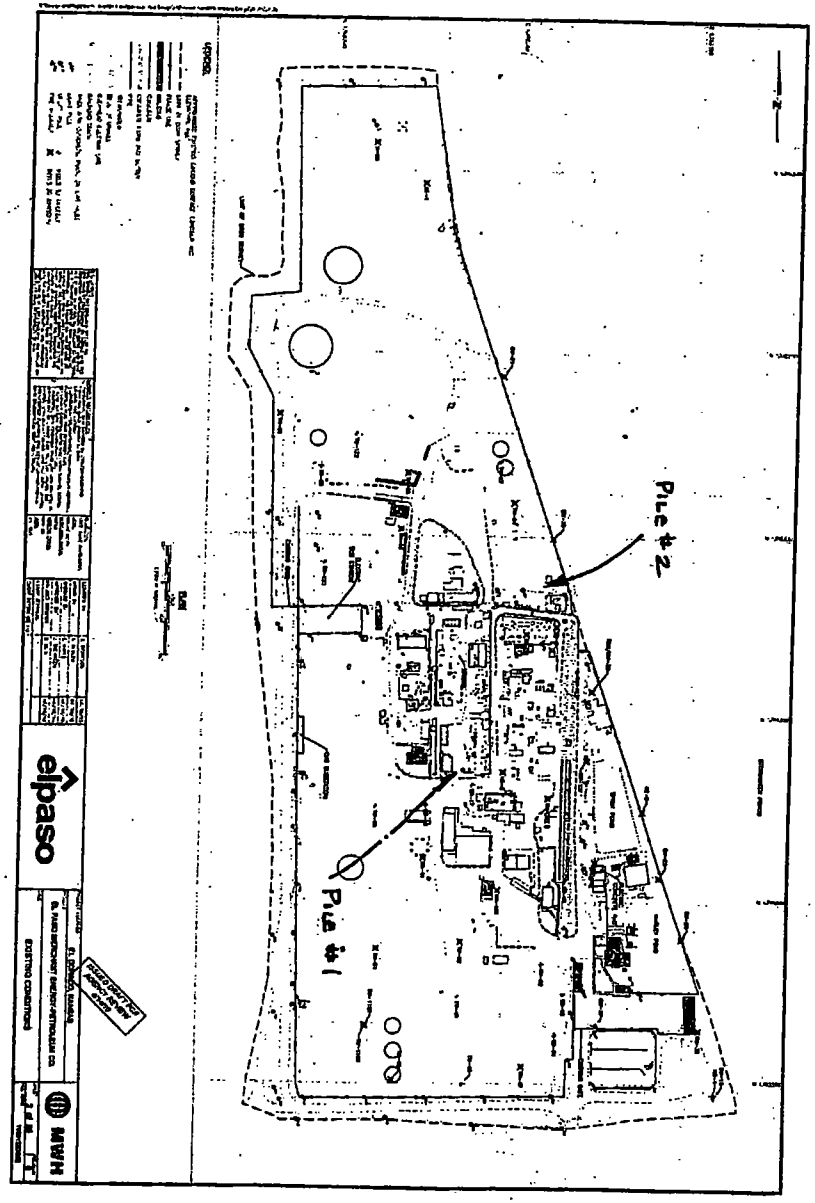
PART F WASTE DISPOSAL

Disposal Site: _____

KDHE Licensed Municipal Solid Waste (Sanitary) or Construction/Demolition (C&D) Landfill Permit Number _____

Location: City _____ County _____ State _____

Waste Transporter: _____



ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3938

"OLD" EL PASO REFINERY ELDORADO, KS. - ADD-ON SURVEY #2010-178 7/28/2010

PILE #1

001- SUSPECT PACM
002- " "
003- " "
004- " "
005- " "
006- " "

} APPROX. 30 cu. yds.

PILE #2

007
008
009

} SUSPECT PACM PIPE INSULATION APPROX. 150 L.F.

e-mail: acmremoval@att.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206
www.acmremoval.net
environmental & specialty contractor
no job too big, no job too small

EHS Laboratories

Environmental Hazards Services, L.L.C.
7489 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 10-07-04172

Client: ACM Removal LLC
260 N. Rock Rd. Ste.204
Wichita, KS 67206

Received Date: 07/30/2010
Analyzed Date: 07/30/2010
Reported Date: 07/30/2010

Project/Test Address: 2010-178; Extra Debris in Piles

Client Number: 17-6423

Fax Number: 316-684-3500

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-07-04172-001	001		Beige Powder; Fib.	6% Amosite	10% Fibrous Glass 85% Non-Fibrous
PILE #1			Total Asbestos: 5% — FRIABLE		
10-07-04172-002	002		White Powder	NAD	13% Synthetic 87% Non-Fibrous
10-07-04172-003	003		Beige Powder	5% Chrysotile 5% Amosite	90% Non-Fibrous
PILE #1			Total Asbestos: 10% — FRIABLE		
10-07-04172-004	004		Off-White Powder; Fib.	NAD	15% Synthetic 85% Non-Fibrous
10-07-04172-005	005		Lt. Brown Powder	8% Amosite	12% Fibrous Glass 80% Non-Fibrous
PILE #1			Total Asbestos: 8% — FRIABLE		

Environmental Hazards Services, L.L.C

Client Number: 17-6423
Report Number: 10-07-04172
Project/Test Address: 2010-178; Extra Debris in Piles.

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-07-04172-006	006		Lt. Brown Powder	4% Amosite	11% Synthetic 85% Non-Fibrous
PILE #1			Total Asbestos: 4% FRIABLE		
10-07-04172-007	007		White Powder; Fib.	NAD	5% Cellulose 15% Synthetic 80% Non-Fibrous
10-07-04172-008	008		Gray Rubbery	5% Chrysotile	95% Non-Fibrous
PILE #2			Total Asbestos: 5% NON-FRIABLE		
10-07-04172-009	009		Beige Powder	NAD	4% Cellulose 96% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 17-6423 — Report Number: 10-07-04172

Project/Test Address: 2010-178; Extra Debris in Piles

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials

QC Sample: 5-M1-1991-1

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116

Analyst: Katharine Harris

Reviewed By Authorized Signatory: Irma Faszewski

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Services, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

EL PASO PETROLEUM - ELDORADO, KS

ADDITIONAL SCOPE ADDED BY RICK

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

CHAIN OF CUSTODY FORM

Company Name: ACM Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 Fax #: (316) 684-3500
P.O. #: 2010-178

Date: 29 JULY 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES MILLER
Project #: 2010-178 EXTRA DEBRIS IN PILES

3 day *standard* turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY ___

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Cultureable*	Particulate:
		ON SITE 7/28/2010 - ADDITIONAL																							
		SCOPE ADDED BY CLIENT ON SITE																							
001	7/28/10	X	001 - SURFACE AREA																						
002		X	002 " "																						
003		X	003 " "																						
004		X	004 " "																						
005		X	005 " "																						
006		X	006 " "																						
007		X	007																						
008		X	008																						
009		X	009																						

MAX. 30 CU. YDS. PILE #1 SEE PLOT PLAN

SURFACE PICK AND SAMPLE REMOVE, ROLLOFF PILE #2

10-07-04172
Due Date: 07/30/2010 (Friday)

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Remediation
Robin Siefkin, Owner
24/7 cell: (316) 218-3936
mremoval@att.net
acmremoval.net
o: (316) 684-1800 • Fax: (316) 684-3500
North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes [ ] No [ ]

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 29 JULY 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time:
Received by:	Signature:	Date/Time: 7/30/10

revised 2/2002

NOV.17.2009 10:18PM ACT NO.815 P.12
11/17/2009 TUE 10:03 [TX/RX NO 8733] 012

EXPIRATION: November 12, 2010

CERTIFICATE NUMBER: 7ACT1112091R-1721

Asbestos Consulting Testing (ACT)
14953 W. 101st Terrace, Lenexa, Kansas 66215
(913) 492-1337

James Miller

has successfully completed a course in:

EPA & MISSOURI APPROVED

AHERA Asbestos Inspector Refresher Training

EPA/AHERA Accreditation for re-training Inspectors
Under 40 CFR Part 763, Subpart E, Appendix C, Section 206 of the
Toxic Substances Control Act (TSCA Title II), 15 U.S.C. 2646.
Missouri Training Provider: MO 00-01-001

COURSE DATE: November 12, 2009
SOCIAL SEC.#: xxx-xx-1057

Director of Training

05/13/2010 11:02 FAX 3162858073 PRECISION ENVIRONMENTAL + ALB NO.525 P.14
MAY.11.2010 2:35PM ACT
05/11/2010 TUE 15:23 [TX/RX NO 9244] 014

EXPIRATION: May 6, 2011

CERTIFICATE NUMBER: 7ACT0506101R-1792

Asbestos Consulting Testing (ACT)
14953 W. 101st Terrace, Lenexa, Kansas 66215
(913) 492-1337

Robin Siefkin

has successfully completed a course in:

EPA & MISSOURI APPROVED

AHERA Asbestos Inspector Refresher Training

EPA/AHERA Accreditation for re-training Inspectors
Under 40 CFR Part 763, Subpart E, Appendix C, Section 206 of the
Toxic Substances Control Act (TSCA Title II), 15 U.S.C. 2646.
Missouri Training Provider: MO 00-01-001

COURSE DATE: May 6, 2010
SOCIAL SEC.#: xxx-xx-8386

Director of Training

EXPIRATION: April 20, 2011
EXAM DATE: April 20, 2010

CERTIFICATE NUMBER: 7ACT042010MOPDR-511

Asbestos Consulting Testing (ACT)

14953 W. 101st Terrace, Lenexa, Kansas 66215
(913) 492-1337

Robin Siefkin

has successfully completed a course in and passed the final written examination with a score of at least 70% for:

EPA & MISSOURI APPROVED

AHERA Asbestos Project Designer Refresher Training

EPA/AHERA Accreditation for retraining Project Designers under 40 CFR Part 763, Subpart E, Appendix C, Section 206 of the Toxic Substances Control Act (TSCA Title II), 15 U.S.C. 2646.
Missouri Training Provider: MO 00-01-001

COURSE DATE: April 20, 2010
SOCIAL SEC.#: xxx-xx-8386

Director of Training

ACORD CERTIFICATE OF LIABILITY INSURANCE DATE (MM/DD/YYYY) 07/28/10

PRODUCER
MADRIGAL & ASSOCIATES, INC
431 10TH STREET
WICHITA KS 67211-1716
Phone:316-265-5680 Fax:316-265-5735

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
ACM REMOVAL LLC
FOR: 316-684-3500
280 N ROCK ROAD #204
WICHITA KS 67206

INSURERS AFFORDING COVERAGE — NAIC #
INSURER A: CENTURY INSURANCE
INSURER B: STAR INSURANCE
INSURER C: TRAVELERS INSURANCE CO — 40282
INSURER D: CENTURY INSURANCE
INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY: X COMMERCIAL GENERAL LIABILITY; CLAIMS MADE / X OCCUR	CCP649299	04/27/10	04/27/11	EACH OCCURRENCE $2,000,000; DAMAGE TO RENTED PREMISES (Ea occurrence) $50,000
D	X POLLUTION $2M	CCP649299	04/27/10	04/27/11	MED EXP (Any one person) $5,000; PERSONAL & ADV INJURY $2,000,000; GENERAL AGGREGATE $2,000,000; PRODUCTS - COMP/OP AGG $2,000,000; Pollution 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / PRO-JECT / LOC / 100				
C	AUTOMOBILE LIABILITY: ANY AUTO; ALL OWNED AUTOS; X SCHEDULED AUTOS; X HIRED AUTOS; X NON-OWNED AUTOS	BA3793R119	04/27/10	04/27/11	COMBINED SINGLE LIMIT (Ea accident) $1,000,000; BODILY INJURY (Per person) $; BODILY INJURY (Per accident) $; PROPERTY DAMAGE (Per accident) $
	GARAGE LIABILITY: ANY AUTO				AUTO ONLY - EA ACCIDENT $; OTHER THAN AUTO ONLY: EA ACC $; AGG $
D	EXCESS / UMBRELLA LIABILITY: OCCUR / CLAIMS MADE	CCP643900	04/27/10	04/27/11	EACH OCCURRENCE $1,000,000; AGGREGATE $1,000,000
	DEDUCTIBLE; X RETENTION $10,000				$; $; $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY: Y/N; ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	WC0573745	04/27/10	04/27/11	X WC STATUTORY LIMITS / OTH-ER; E.L. EACH ACCIDENT $1,000,000; E.L. DISEASE - EA EMPLOYEE $1,000,000; E.L. DISEASE - POLICY LIMIT $1,000,000
	OTHER: If yes, describe under SPECIAL PROVISIONS below				

Tami Blose
Project Administrative Assistant
Remedial Construction Services L.P.
Physical: 5720 Derrington, Houston, TX 77084
Mailing: PO Box 680708, Houston, TX 77268
Main 281-858-3442/Fax 281-484-1178
Direct 281-484-1148/Mobile 281-831-3085
www.rcsservices.com

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
SUBJECT TO POLICY TERMS, CONDITIONS AND EXCLUSIONS
CERTIFICATE HOLDER IS HEREBY NAMED AS ADDITIONAL INSURED AS THEIR INTEREST MAY APPEAR.

CERTIFICATE HOLDER

REMEDIAL CONSTRUCTION SERVICES, L.P.
ATTN: RICK MYERS
1488 COX AVENUE
ERLANGER KY 40106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Tony Madrigal

ACORD 25 (2006/01)

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Asbestos Control License

The Kansas Department of Health & Environment

hereby certifies that

ACM Removal, LLC
260 North Rock Rd, Suite 204
Wichita, Kansas 67206

has successfully met the regulatory requirements specified in K.S.A. 65-5304 and Kansas Administrative Regulation 28-50-2, Business Entity License, and is licensed to remove or encapsulate asbestos-containing materials within the State of Kansas, subject to compliance with the following requirements:

1. The licensee shall comply with all requirements of K.A.R. 28-50-1 through K.A.R. 28-50-14.
2. The licensee shall authorize representatives of this department to inspect each work area where asbestos removal or encapsulation is being conducted under this license.
3. Only those employees who have met the requirements for an accredited asbestos worker shall be permitted to engage in asbestos removal, encapsulation or dismantling projects.

License Number OA358

Signature

Expiration Date June 14, 2011

Issue Date May 28, 2010

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Millar (316) 706-8152
Robin Sieffkin (316) 218-3938

Invoice Date: 20 August 2010

Attn: Rick Meyers - Project Manager

RECON
Remedial Construction Services
PO Box 690708
Houston, TX 77269

RE: RECON PO # 2-3430-0008
Provide Inspection, Asbestos Removal / Disposal Services in the Old El Paso Refinery,
El Dorado, Kansas

ACM LLC PROJECT NO. 2010 - 178

Final documentation for *all* labor, materials, insurance, temporary facilities, permits and incidentals to perform subject work in strict accordance with current statues and regulations of Federal, State and local agencies having jurisdiction over this work completed at the above referenced project.

Assessement of 12 Bldgs ____ Completed
Additional work ____ Completed
2nd Change ____ Completed
Site visit for 2nd Change ____ Completed
Removal and Disposal of Asbestos-Containing Materials ____ Completed
Additional Change # 3 ____ Completed

FINAL DOCUMENTATION PACKAGE

e-mail: acmremoval@att.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

www.acmremoval.net
environmental & specialty contractor
no job too big, no job too small

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Robin Siefkin

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-5.

2C097 — Certification Number

12-11-2010 — Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: James C. Miller

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-5.

2F225 — Certification Number

12-11-2010 — Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Marco Cantera

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-5.

2K451 — Certification Number

12-11-2010 — Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Daylan Caudle

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-5.

2N492 — Certification Number

08-16-2011 — Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Brandon Hampton

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-5.

2N494 — Certification Number

08-16-2011 — Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Dylan Hatch

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-5.

2N495 — Certification Number

08-16-2011 — Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Jerry Caudle

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-8.

2F456	12-11-2010
Certification Number	Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Manuel Rodriquez

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-8.

2M650	12-11-2010
Certification Number	Expiration Date

Signature

Kansas Department of Health & Environment
1000 SW Jackson, Suite 330
Topeka, Kansas 66612-1365
(785) 296-1560

CERTIFICATE

This is to certify that: Martin Ruiz

has successfully completed the requirements for certification as a Class II asbestos worker/supervisor under provisions of Kansas Administrative Regulations 28-50-3.

2H991 — Certificate/ID Number

10-21-2010 — Expiration Date

Signature

Precision Environmental Services 1405 S Mosley • Wichita, KS 67211 (316)265-0012 Fax (316)265-8073

Client: REMEDIAL CONSTRUCTION SERV.

Sample Date 8/12/10 Analysis Date 8/13/10 Page 1 of 1

Project Name: OLD ELDORADO REFINERY

Project Address: AL TAYLOR ELDORADO, KS.

Project Reference# 2010-178 Building Reference # 12

Contractor: ACM REMOVAL

Sampled by: JOEL INGALLS

Remarks/Unusual Conditions/Problems

Calibration Method

TYPE OF REMOVAL: ☐ GROSS REMOVAL ☐ GLOVE BAG ☐ OUTDOOR REMOVAL ☐ DISMANTLING ☒ NON-FRIABLE ☐ OTHER

TYPE OF ANALYSIS: ☒ PCM (ASBESTOS) ☐ TEM (ASBESTOS) ☐ LEAD ☐ OTHER

SAMPLE NUMBER	LOCATION/ WORKER	PUMPS	FLOW START	FLOW STOP	FLOW AVE	TIME ON	TIME OFF	TOTAL MINUTES	TOTAL VOLUME	FIBERS/ FIELDS	DETECTION LIMIT	FIBER COUNT
001	(R) STEW LUNA	001	4 LPM	4	4	11:30	4:00	270	1080	2.0/100	.0045	BDL

ACM REMOVAL, LLC
Robin Siefido, Owner
24/7 cell: (316) 215-3836
acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1900 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

RELEASED BY: [signature] DATE: 8/14/10 RECEIVED BY: DATE:

RELEASED BY: DATE: RECEIVED BY: DATE:

RELEASED BY: DATE: RECEIVED BY: DATE:

I CERTIFY THAT THE ABOVE FIBER COUNTS WERE PERFORMED IN STRICT COMPLIANCE WITH APPLICABLE STANDARDS AND REGULATIONS.

ANALYST'S COMMENTS: BDL - BELOW DETECTION LIMIT

ANALYST

Precision Environmental Services 1405 S Mosley • Wichita, KS 67211 (316)265-0012 Fax (316)265-8073

Client: Remedial Const. Serv. | Sample Date 8/11/2010 | Analysis Date 8/13/10 | Page 1 of 1

Project Name: Old El Paso Refinery | Project Reference#: 2010-178 | Building Reference #: 10

Project Address: N Taylor El Dorado, KS.

Contractor: ACM Removal

Sampled by: Dick Tuenis

Calibration Method: Rotameter

Remarks/Unusual Conditions/Problems: Remove mastic + tile bldg #10; bldg #12 Remove tile + transite walls

TYPE OF REMOVAL: ☐ GROSS REMOVAL ☐ GLOVE BAG ☐ OUTDOOR REMOVAL ☐ DISMANTLING ☒ NON-FRIABLE ☐ OTHER

TYPE OF ANALYSIS: ☒ PCM (ASBESTOS) ☐ TEM (ASBESTOS) ☐ LEAD ☐ OTHER

SAMPLE NUMBER	LOCATION/ WORKER	PUMPS	FLOW START	FLOW STOP	FLOW AVE	TIME ON	TIME OFF	TOTAL MINUTES	TOTAL VOLUME	FIBERS/ FIELDS	DETECTION LIMIT	FIBER COUNT
002	(A) Bldg #10 Francisco Rodriguez	001	4 L/M	4	4	6:30	10:00	210	840	3.0/100	.0058	BDL
003	(A) Bldg #12 Nestor Chuka	001	4	4	4	10:10	3:30	320	1280	0.0/100	.0038	BDL

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
Robin Siefkin, Owner
24/7 cell: (316) 218-3938
acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1600 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

BDL = BELOW DETECTION LIMIT
BG = BACKGROUND
IW = INSIDE WORK AREA
OW = OUTSIDE WORK AREA
PC = PERSONNEL
DC = DECONTAMINATION
FC = FINAL CLEARANCE
BDL = BELOW DETECTION LIMIT

RELEASED BY: [signature] DATE: 8/14/10 RECEIVED BY: ____ DATE: ____
RELEASED BY: ____ DATE: ____ RECEIVED BY: ____ DATE: ____
RELEASED BY: ____ DATE: ____ RECEIVED BY: ____ DATE: ____

I CERTIFY THAT THE ABOVE FIBER COUNTS WERE PERFORMED IN STRICT COMPLIANCE WITH APPLICABLE STANDARDS AND REGULATIONS.

ANALYST'S COMMENTS: BDL - Below Detection Limit

[signature]
ANALYST

Precision Environmental Services 1405 S Mosley • Wichita, KS 67211 (316)265-0012 Fax (316)265-8073

Client: El Paso Merchant Energy | Sample Date 8/12/2010 | Analysis Date 8/13/10 | Page 1 of 1

Project Name: Old El Paso Refinery | Project Reference#: 2010-178 | Building Reference #: ____

Project Address: 835 Doris St. El Dorado, KS.

Contractor: ACM Removal

Sampled by: Dick Tuenis

Calibration Method: Rotameter

Remarks/Unusual Conditions/Problems: Demo bldg #4, #7, #2, #1; Remove pipe insulation eastside (outside) bldg #5, Remove tile bldg #12;

TYPE OF REMOVAL: ☐ GROSS REMOVAL ☐ GLOVE BAG ☒ OUTDOOR REMOVAL ☐ DISMANTLING ☐ NON-FRIABLE ☐ OTHER

TYPE OF ANALYSIS: ☒ PCM (ASBESTOS) ☐ TEM (ASBESTOS) ☐ LEAD ☐ OTHER

SAMPLE NUMBER	LOCATION/ WORKER	PUMPS	FLOW START	FLOW STOP	FLOW AVE	TIME ON	TIME OFF	TOTAL MINUTES	TOTAL VOLUME	FIBERS/ FIELDS	DETECTION LIMIT	FIBER COUNT
004	(A) Demo Bldg #4, 7, 2, 1 Juan Luna	001	4 L/M	4	4	6:50	10:00	190	760	7.0/100	.0068	BDL
005	(A) Bldg #5 Francisco Rodriguez	001	4	4	4	10:00	1:00	180	720	5.0/100	.0068	BDL
006	(A) Bldg #12 Nestor Chuka	001	4	4	4	1:05	3:40	155	620	8.0/100	.0079	BDL

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
Robin Siefkin, Owner
24/7 cell: (316) 218-3938
acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1600 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

BDL = BELOW DETECTION LIMIT
BG = BACKGROUND
IW = INSIDE WORK AREA
OW = OUTSIDE WORK AREA
PC = PERSONNEL
DC = DECONTAMINATION
FC = FINAL CLEARANCE
BDL = BELOW DETECTION LIMIT

RELEASED BY: [signature] DATE: 8/13/10 RECEIVED BY: ____ DATE: ____
RELEASED BY: ____ DATE: ____ RECEIVED BY: ____ DATE: ____
RELEASED BY: ____ DATE: ____ RECEIVED BY: ____ DATE: ____

I CERTIFY THAT THE ABOVE FIBER COUNTS WERE PERFORMED IN STRICT COMPLIANCE WITH APPLICABLE STANDARDS AND REGULATIONS.

NALYST'S COMMENTS: BDL - Below Detection Limit

[signature]
ANALYST

RECEIVED
MAY 18 2010
BY: RCW/ [illegible]

CITY OF WICHITA

Department of Public Works

NON-FRIABLE 10-018

May 18, 2010

ACM Removal, LLC
260 N. Rock Rd., Suite 204
Wichita, Ks. 67206

This is to inform you that Industrial Solid Waste Disposal Authorization No. ***Non-Friable 10-018*** has been granted for the disposal of one thousand ***(1,000) tons of non-friable asbestos from various locations. This authorization expires May 31, 2011.***

The environmental hazard associated with asbestos is the release of fibers into the air, which allows them to be inhaled; therefore, appropriate measures must be taken.

Authorization is subject to the following conditions:

1. A completed ***Waste Shipment Record*** ***must*** accompany each shipment of asbestos containing material arriving at Brooks Construction and Demolition Landfill. This Waste Shipment Record must be presented to the Landfill operator upon arrival at the scale house. Please ***inform*** the Landfill operator upon final shipment of material permitted under this authorization.

2. ***Contact Landfill operator at least 24 hours prior to delivery at (316) 722-0601.***

3. Non-friable asbestos may be placed in sealed plastic bags or other appropriate packaging that will prevent air emissions during transport.

4. Larger sections of structural materials such as pipe, duct work, tanks, and sheets of building material removed with non-friable asbestos containing material left in place, shall be wrapped in a double layer of six (6) mil thick plastic sheeting for disposal. Edges ***must*** be securely taped prior to transport.

5. The waste must be transported separately to the landfill and be identified to the Brooks Construction and Demolition Landfill operator upon delivery.

6. This approval is valid for the disposal of the non-friable asbestos described and in the amount shown above. If additional shipments are required, you must contact us to receive another disposal authorization or extension.

7. If you do not have an account established with Herzog Environmental, ***all tipping fees are CASH ONLY.***

8. Keep this letter and present it to the Landfill operator upon arrival. If you have any questions, please feel free to contact this office at (316) 722-9410.

Sincerely,

Monte Borders

LeRoy Willis/Monte Borders
Aaron Henning, P.E.
Asst. Maintenance Engineer

Cc: KDHE, Air Quality
Herzog Environmental

Maintenance Division
Landfill Office • 4100 N. West Street • Wichita, Kansas 67205
T 316.722.9410 F 316.722.9410
www.wichitagov.org

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3936

WASTE DISPOSAL MANIFIEST / WASTE SHIPMENT RECORD

ACM JOB NUMBER: 2010 - 178

GENERATOR'S SECTION:

1. OWNER'S NAME : EL DORADO / EL PASO REFINERY
ADDRESS: NORTH EL DORADO
CITY: EL DORADO STATE: KS ZIP CODE:
REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE & BLACK MASTIC

2. OPERATOR'S NAME: ACM REMOVAL, LLC
ADDRESS: 260 N. ROCK ROAD, SUITE 204
CITY: WICHITA STATE: KS ZIP CODE: 67206

3. WASTE DISPOSAL SITE: BROOKS C & D LANDFILL
ADDRESS: 4100 NORTH WEST STREET
CITY: WICHITA STATE: KS ZIP CODE: 67205
PHONE: 316-722-0601

4. RESPONSIBLE AGENCY: KANSAS DEPT. OF HEALTH & ENVIRONMENT THRU THE CITY OF WICHITA, 130 S. MARKET, 9TH FL., WICHITA, KS 67202

5. DESCRIPTION OF MATERIALS: ASBESTOS-CONTAINING TILE / MASTIC

6. TYPE: NON-FRIABLE ASBESTOS

7. NUMBER OF CONTAINERS: 10 CUBIC YARDS

8. SPECIAL HANDLING INSTRUCTIONS / ADDITIONAL INFORMATION: SWDA # 10-018 ASBESTOS CONTAINING MATERIALS

9. OPERATOR'S CERTIFICATION: I herby declare that the contents of this cosignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal,state and local government regulations .

ROBIN SIEFKIN - OFFICE MANAGER		16 AUGUST 2010
Print / Type Name & Title	Signature	Date

TRANSPORTER ONE: Acknowledgement of receipt of materials as stated in above signatures

ACM'S DRIVER	James Miller	8-16- 2010
Print Title	Signature	Date

DISPOSAL SITE OPERATOR'S SECTION: Record any discrepancy in above information

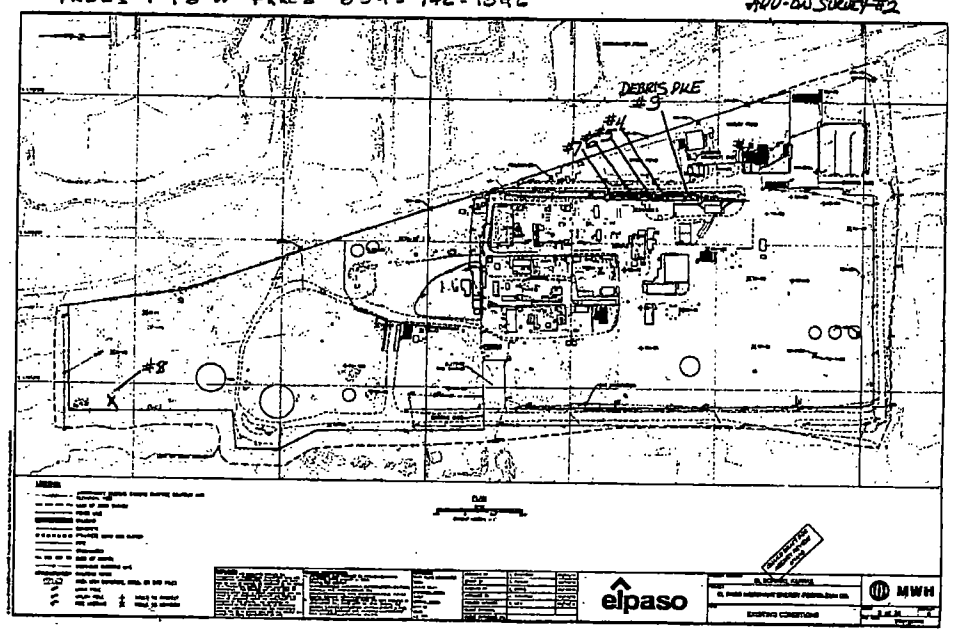
CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST:

RD		8-16-10
Print / Type Name & Title	Signature	Date

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 706-5152
Robin Siefkin (316) 218-3936

FAXED
FAXED AUG 0 6 2010 FAXED
BY: Robin @ ACM
TO RICK MEYERS
PAGES 1 TO 11 FAXED 859-746-1096

8/3/2010
ADD-ON SURVEY #2



e-mail: acmremoval@att.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206
www.acmremoval.net
environmental & specialty contractor
no job too big, no job too small.

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Restoration
James Miller (316) 708-5152
Robin Siefkin (316) 218-3936

"OLD" EL PASO REFINERY EL DORADO, KS.
2nd ADD-ON SURVEY FOR ASBESTOS

ON-SITE → 8/3/2010

DEBRIS PILE #3 APPROX. 4 CU. FT.
001-
002-

DEBRIS PILE #4 APPROX. 7 CU. FT.
003-
004-
005-

DEBRIS PILE #5 APPROX. 6 L.F. (ON GROUND)
006-
007-

DEBRIS PILE #6 APPROX. 12 CU. FT.
008
009
010
011

DEBRIS PILE #7 APPROX. 4 CU. FT.
012
013
014

DEBRIS PILE #8 APPROX. 30 CU. YDS.
015
016
017

e-mail: acmremoval@att.net
Office: (316) 684-1800 • Fax: (316) 684-3500
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www.acmremoval.net
environmental & specialty contractor
no job too big, no job too small!

EHS Laboratories

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 10-08-00712

Client: ACM Removal LLC
260 N. Rock Rd. Ste.204
Wichita, KS 67206

Received Date: 08/05/2010
Analyzed Date: 08/05/2010
Reported Date: 08/05/2010

Project/Test Address: 2010-178; Extra #2; Debris in Piles 3 Thru 8

Client Number: 17-6423

Laboratory Results

Fax Number: 316-684-3500

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-08-00712-001	001		Off-White Brittle; Coarse Powder	NAD	25% Synthetic 75% Non-Fibrous
DEBRIS PILE # 3			"NO ASBESTOS DETECTED"		
10-08-00712-002	002		Off-White Brittle; Coarse Powder	NAD	25% Synthetic 75% Non-Fibrous
DEBRIS PILE # 3					
10-08-00712-003	003		Off-White/Pale Blue Brittle; Coarse Powder	NAD	25% Synthetic 75% Non-Fibrous
DEBRIS PILE # 4					
10-08-00712-004	004		Off-White Fib.	30% Chrysotile	15% Fibrous Glass 55% Non-Fibrous
DEBRIS PILE # 4			Total Asbestos:	30%	
10-08-00712-005	005		Off-White/Pale Gray Brittle; Coarse Powder	6% Chrysotile 2% Amosite	6% Cellulose 15% Fibrous Glass 10% Synthetic 60% Non-Fibrous
DEBRIS PILE # 4			Total Asbestos:	10%	

Chrysotile & Amosite present in pale gray layer.

Environmental Hazards Services, L.L.C

Client Number: 17-8423
Project/Test Address: 2010-178; Extra #2; Debris in Piles 3 Thru 8
Report Number: 10-08-00712

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-08-00712-006	006		Pale Beige Brittle; Coarse Powder	NAD	25% Synthetic 75% Non-Fibrous
PILE # 5			" NO ASBESTOS DETECTED "		
10-08-00712-007	007		Off-White Brittle; Coarse Powder	NAD	25% Synthetic 75% Non-Fibrous
PILE # 5					
10-08-00712-008	008		Brown/Off-White Brittle	NAD	20% Fibrous Glass 20% Synthetic 60% Non-Fibrous
PILE # 6			" NO ASBESTOS DETECTED "		
10-08-00712-009	009		Beige/Gray Brittle; Coarse Powder	NAD	25% Synthetic 75% Non-Fibrous
10-08-00712-010	010		Pale Beige/Brown Brittle; Coarse Powder	NAD	5% Cellulose 3% Fibrous Glass 20% Synthetic 72% Non-Fibrous
10-08-00712-011	011		Off-White/Pale Blue Brittle; Coarse Powder	NAD	22% Synthetic 78% Non-Fibrous
10-08-00712-012	012		Pale Gray Fib.	80% Amosite	20% Non-Fibrous
PILE # 7			Total Asbestos: 80%		
10-08-00712-013	013		Off-White/Gray Brittle; Coarse Powder	NAD	4% Fibrous Glass 20% Synthetic 76% Non-Fibrous
PILE # 7					

Environmental Hazards Services, L.L.C

Client Number: 17-8423
Project/Test Address: 2010-178; Extra #2; Debris in Piles 3 Thru 8
Report Number: 10-08-00712

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
10-08-00712-014	014		Tan Brittle; Off-White Fib.	10% Chrysotile 3% Amosite	7% Cellulose 15% Synthetic 65% Non-Fibrous
PILE # 7			Total Asbestos: 13%		
Chrysotile & Amosite present in off-white fibrous layer.					
10-08-00712-015	015		Brown Fib.; Black Brittle	NAD	2% Cellulose 50% Fibrous Glass 48% Non-Fibrous
PILE # 8			" NO ASBESTOS DETECTED "		
10-08-00712-016	016		White/Rust Orange Pliable	NAD	4% Cellulose 96% Non-Fibrous
10-08-00712-017	017		Yellow/Pale Green Fib.	NAD	3% Cellulose 92% Fibrous Glass 5% Non-Fibrous

Environmental Hazards Services, L.L.C.

Client Number: 17-6423 Report Number: 10-08-00712

Project/Test Address: 2010-178; Extra #2; Debris In Piles 3 Thru 8

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials

QC Sample: 12-AM11992-2

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116

Analyst: Mark Case

Reviewed By Authorized Signatory: Howard Varner

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Services, L.L.C. California Certification #2219 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: N/D = no asbestos detected

EL PASO PETROLEUM - EL DORADO, KS

2ND ADD-ON

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

DEBRIS PILES 3 THRU 8 CHAIN OF CUSTODY FORM PAGE 1 OF 6

Company Name: ACM Removal

Address: 260 N. Rock Rd., Ste. 204

City, State, Zip: Wichita, KS 67206

EHS Client Account #: 17-6423 D

Phone #: (316) 684-1800 Fax #: (316) 684-3500

P.O. #: 2010-178

Date: 04 AUGUST 2010

Contact Name: ROBIN SIEFKIN

Sampler Name: JAMES DILLARD

Project #: 2010-178 EXTRA #2 DEBRIS IN PILES 3 THRU 8

3 day standard turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY ___

Sample Number (LAB NOTE: DESPITE "DEBRIS" DESCRIPTION IN "PROJECT #")	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable*	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments *Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & ID's -Total Thermophilic Fungal Count w/ID -TAT 5-7 DAY
ABOVE SAMPLES WERE COLLECTED FROM HOMOGENOUS MATERIALS. SENDING FOR ANALYSIS WITH QUANTIFICATION TELEPHONED JAC 08-05-10																										ON SITE 03 AUGUST 2010 - ADDITIONS COPE ADDED BY CLIENT #2 "OLD" EL PASO REFINERY EL DORADO, KS. 2nd ADD-ON SURVEY FOR ASBESTOS
																										DEBRIS PILE #3 APPROX. 4 CU. YD.
001	8/5/10	X																								001-
002	2	X																								002-

ACM REMOVAL Asbestos & Mold Abatement

Robin Siefkin, O
24/7 call: (316):
acmremoval@at

www.acmremoval.
Office: (316) 684-1
260 North Rock Rd

10-08-00712

Due Date: 08/05/2010 (Thursday) F

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☑ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 04 AUGUST 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time: 8/5/10
Received by:	Signature:	Date/Time:

revised 2/2002

EL PASO PETROLEUM - EL DORADO, KS
2ND ADD-ON

10-08-00712

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

DEBRIS PILES 3 THRU 8

CHAIN OF CUSTODY FORM PAGE 2 OF 6

Company Name: ACM Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 Fax #: (316) 684-3500
P.O. #: 2010-178

Date: 04 AUGUST 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES DILLARD
Project #: 2010-178 EXTRA #2
DEBRIS IN PILES 3 THRU 8

3 day standard turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY ___

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable ◆	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments
			ON SITE 03 AUGUST 2010 - ADDITION SCOPE																							
			ADDED BY CLIENT #2																							
			DEBRIS PILE #4 APPROX. 7 CUBIC																							
003	8/6/10	X	003-																							
004		X	004-																							
005		X	005-																							

Particulate: Total Nuisance (NIOSH 0500) ☐
Respirable (NIOSH 0500) ☐

Comments: *Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 5-7 DAY

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Remediation
Robin Siefkin, Owner
24/7 cell: (316) 218-3936
acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 04 AUGUST 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time: 8/5/10
Received by:	Signature:	Date/Time:

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EL PASO PETROLEUM - EL DORADO, KS
2ND ADD-ON

10-08-00712

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

DEBRIS PILES 3 THRU 8

CHAIN OF CUSTODY FORM PAGE 3 OF 6

Company Name: ACM Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 Fax #: (316) 684-3500
P.O. #: 2010-178

Date: 04 AUGUST 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES DILLARD
Project #: 2010-178 EXTRA #2
DEBRIS IN PILES 3 THRU 8

3 day standard turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY ___

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe * (See Note)	Lead: TCLP (Pb)	Lead: Waste Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable ◆	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments
			ON SITE 03 AUGUST 2010 - ADDITION SCOPE																							
			ADDED BY CLIENT #2																							
			DEBRIS PILE #5 APPROX. 6 L.F. (ON GROUND)																							
006	8/6/10	X	006-																							
007		X	007-																							

Particulate: Total Nuisance (NIOSH 0500) ☐
Respirable (NIOSH 0500) ☐

Comments: *Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 5-7 DAY

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260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 04 AUGUST 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time: 8/5/10
Received by:	Signature:	Date/Time:

revised 2/2002

EL PASO PETROLEUM - EL DORADO, KS 10-08-00712

2ND ADD-ON

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

DEBRIS PILES 3 THRU 8 **CHAIN OF CUSTODY FORM** PAGE 4 OF 6

Company Name: ACM ... : Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 **Fax #:** (316) 684-3500
P.O. #: 2010-178

Date: 04 AUGUST 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES DYLLEE
Project #: 2010-178 EXTRA # 2
DEBRIS IN PILES 3 THRU 8

3 day *standard* turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY ___

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe* (See Note)	Lead: TCLP (Pb)	Lead: Waste/Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Other Metals: —	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable*	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments (*Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 6-7 DAY)
		ON SITE 03 AUGUST 2010 - ADDITIONS COPE																									
		ADDED BY CLIENT # 2																									
		DEBRIS PILE #6 APPROX. 12 CU. FT.																									
008	8/4/10	X	008																								
009		X	009																								
010		X	010																								
011		X	011																								

Particulate: Total Nuisance (NIOSH 0500) ☐ Respirable (NIOSH 0600) ☐

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260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 04 AUGUST 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time: 8/5/10
Received by:	Signature:	Date/Time:

revised 2/2002

EL PASO PETROLEUM - EL DORADO, KS 10-08-00712

2ND ADD-ON

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

DEBRIS PILES 3 THRU 8 **CHAIN OF CUSTODY FORM** PAGE 5 OF 6

Company Name: ACM ... : Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 **Fax #:** (316) 684-3500
P.O. #: 2010-178

Date: 04 AUGUST 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES DYLLEE
Project #: 2010-178 EXTRA # 2
DEBRIS IN PILES 3 THRU 8

3 day *standard* turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY ___

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Chatfield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe* (See Note)	Lead: TCLP (Pb)	Lead: Waste/Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Other Metals: —	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable*	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments (*Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 6-7 DAY)
		ON SITE 03 AUGUST 2010 - ADDITIONS COPE																									
		ADDED BY CLIENT # 2																									
		DEBRIS PILE # 7 APPROX. 1 CU. FT.																									
012	8/5/10	X	012																								
013		X	013																								
014		X	014																								

Particulate: Total Nuisance (NIOSH 0500) ☐ Respirable (NIOSH 0600) ☐

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260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 04 AUGUST 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time: 8/5/10
Received by:	Signature:	Date/Time:

revised 2/2002

EL PASO PETROLEUM - EL DORADO, KS 10-08-00712
2ND ADD-ON

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7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

DEBRIS PILES 3 THRU 8

CHAIN OF CUSTODY FORM PAGE 6 OF 6

Company Name: ACM : Removal
Address: 260 N. Rock Rd., Ste. 204
City, State, Zip: Wichita, KS 67206
EHS Client Account #: 17-6423 D
Phone #: (316) 684-1800 Fax #: (316) 684-3500
P.O. #: 2010-178

Date: 04 AUGUST 2010
Contact Name: ROBIN SIEFKIN
Sampler Name: JAMES DILLARD
Project #: 2010-178 EXTRA #2
DEBRIS IN PILES 3 THRU 8

3 day *standard* turnaround will be given unless otherwise marked: SAME DAY X NEXT DAY

Sample Number	Sample & Date	Asbestos: Bulk ID by PLM	Asbestos: (PCM) Fiber Count	Asbestos: PLM Point Count	Asbestos: PLM Gravimetric	Asbestos: TEM AHERA (Air)	Asbestos: TEM Cheffield (Bulk)	Lead: Air	Lead: Paint (%)	Lead: Paint (PPM)	Lead: Paint (mg/cm²)	Lead: Soil	Lead: Wipe* (See Note)	Lead: TCLP (Pb)	Lead: Waste/Water	Other Metals (Specify metals below): TCLP RCRA 8	Other Metals: Welding Fume	Other Metals: Toxic Metal Profile	Indoor Air Quality: Biocassette	Indoor Air Quality: Slide	Indoor Air Quality: Surface Swab	Indoor Air Quality: Surface Tape	Indoor Air Quality: Bulk	Indoor Air Quality: Culturable	Air Volume (L) OR Wipe Area (ft²) OR Scrape Area (cm²)	Comments: *Specify: -Total Fungal Count w/ID -Stachybotrys Culture w/Total Fungal Count & IDs -Total Thermophilic Fungal Count w/ID -TAT 5-7 DAY
015	8/9/10	X	015																							
016		X	016																							
017		X	017																							

ON SITE 03 AUGUST 2010 - ADDITIONS SCOPE
ADDED BY CLIENT #2
DEBRIS PILE #8 APPROX. 30 CU yds.

ACM REMOVAL, LLC
Asbestos & Mold Abatement & Remediation
Robin Siefkin, Owner
24/7 cell: (316) 218-3936
acmremoval@att.net
www.acmremoval.net
Office: (316) 684-1800 • Fax: (316) 684-3500
260 North Rock Road, Suite 204 • Wichita, Kansas 67206

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: ROBIN SIEFKIN	Signature:	Date/Time: 04 AUGUST 2010
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time: 8/5/10
Received by:	Signature:	Date/Time:

revised 2/2002

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iSi environmental services

215 S. Laura ❯ Wichita, KS 67211
Phone: (316) 264-7050 ❯ Fax: (316) 264-0709

August 16, 2010

Rick Meyers
Remedial Construction Services, L.P.
9720 Derrington
Houston, Texas 77064

RE: Environmental Surveys - Old Coastal Oil Refinery, 1835 North Topeka, El Dorado, Kansas

Dear Mr. Meyers:

Enclosed please find iSi Environmental Services' (iSi) report for the above referenced service. Thank you for the opportunity to present this information.

Sincerely,

Constance Timmons
Industrial Hygienist

enclosures

cc: iSi Project File No. 1007051

iSi Environmental Services (iSi)
F:\DATA\Remedial Construction Services, LP\1007051\Environmental Surveys\Report.doc

Environmental Surveys

of

Old Coastal Oil Refinery
1835 North Topeka
El Dorado, Kansas

for

Remedial Construction Services, L.P.
9720 Derrington
Houston, Texas 77064

August 16, 2010

iSi Environmental Services
215 S. Laura Wichita, KS 67211
Phone: (316) 264-7050 Fax: (316) 264-0709

Environmental Surveys

of

Old Coastal Oil Refinery
1835 North Topeka
El Dorado, Kansas

for

Remedial Construction Services, L.P.
9720 Derrington
Houston, Texas 77064

August 16, 2010

prepared by

Constance Timmons
Kansas Licensed Lead Risk Assessor

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1.0 INTRODUCTION

iSi Environmental Services (iSi) was retained by Remedial Construction Services (RECON), Houston, Texas, to perform environmental surveys including lead-based paint (LBP), mercury, and suspected polychlorinated biphenyls (PCBs) in association with the remaining buildings at the Old Coastal Oil Refinery located at 1835 North Topeka, El Dorado, Kansas. This report presents the results of these surveys.

2.0 EXECUTIVE SUMMARY

Lead-based paint (LBP) is present on surfaces in buildings 2, 3, 4, 5, 6, 7, 10, 11, and 12.

Mercury is assumed to be present in fluorescent light bulbs in buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, and 12. Mercury was found in thermostats in buildings 4, 11, and 12.

PCBs are assumed to be present in light ballasts in buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, and 12.

3.0 BACKGROUND

The Old Coastal Oil Refinery is in the process of demolition. Twelve buildings remain. The buildings are all one-story buildings, most of them slab on grade. Two of the buildings are built below grade. They are of different construction. The buildings housed different functions, including office, maintenance, storage, electrical, control, and a weigh station.

For the purposes of the survey, the buildings have been numbered one through twelve for identification. Photos of the buildings are attached as Appendix A.

4.0 SURVEY ACTIVITIES – LEAD-BASED PAINT

4.1 Sampling

An LBP survey was conducted during the period July 29 to 30, 2010. The inspection protocol was to conduct a surface-by-surface inspection of painted or varnished building structures in the facilities using modified inspection protocol based on that which has been established by the United States Department of Housing and Urban Development (HUD). The survey was conducted by a Kansas-licensed lead risk inspector (see Appendix B for inspector's license).

The purpose for conducting this LBP inspection was to provide an assessment of painted building surfaces containing elevated lead concentrations. For purposes of interpreting this report, lead-based paint is considered to be paint that contains at least 1.0 milligrams of lead per square centimeter of paint material (mg/cm^2) based on EPA guidelines and appears as "POS" on the data tables. Paint that was detected below the EPA level appears as "NEG." The data tables are attached as Appendix C.

This survey was performed using an Innov-X Alpha X-Ray Fluorescent (XRF) Analyzer. This meter is equipped with x-ray tubes to determine the presence of lead on a surface. Field calibration of the instrument was conducted before the inspection by introducing a known metal to the instrument and ensuring that the instrument can accurately identify the source. Further information regarding this instrument is available upon request.

4.2 Results

LBP was found on surfaces in each of the buildings as described below.

- Building 2 –
  - Men's restroom door
- Building 3 –
  - I-beams and I-beam supports
  - Window trim
  - Water pipes
  - Drain line
  - Exterior door and frame
- Building 4 –
  - Restroom stall divider
  - Black stripe on wall in lab
  - Wall in lab entrance
- Building 5 –
  - Exterior walls
  - Exterior board that is blocking window
  - Exterior window frames
- Building 6 –
  - Tank in center of room
- Building 7 –
  - Exterior door
  - Hand rail

- Building 10 –
  - I-beam in mechanical room
- Building 11 –
  - Bar plate over door on exterior
- Building 12 –
  - Woodwork on doorway to lab
  - Drain pipe in restroom
  - Drawers and cabinets of lab benches
  - Conduit support board
  - First aid cabinet
  - Window casings and muntins in lab
  - Electrical conduit in lab
  - Electrical outlet box in lab

Readings collected by the XRF were downloaded into a spreadsheet that is attached as the LBP Testing Data Sheets in Appendix C. The sides of each building are annotated A through D, with A facing the main entrance of the building and going around the building clockwise. Diagrams of the buildings that identify the areas and the A through D sides annotated are attached as Appendix D. The positive samples are bold-faced on the LBP Testing Data Sheets.

5.0 SURVEY ACTIVITIES – MERCURY

Mercury was assessed in each building by inspecting suspect building materials. Suspect materials included thermostats and fluorescent light bulbs.

All accessible thermostats were disassembled. Thermostats containing mercury were found in the following buildings:

- Building 4 3 thermostats
- Building 11 1 thermostat
- Building 12 1 thermostat

Total: 5 thermostats

Pressure switches assumed to contain mercury were found in the following buildings:

- Building 7 1 switch

Total: 1 switch

Fluorescent light bulbs are known to contain small amounts of mercury. Green-tipped bulbs also contain mercury, albeit much smaller amounts. The building number and approximate quantity of fluorescent bulbs are as follows:

- Building 1 12 bulbs
- Building 2 26 bulbs
- Building 3 38 bulbs
- Building 4 234 bulbs
- Building 5 2 bulbs
- Building 6 16 bulbs
- Building 9 22 bulbs
- Building 10 55 bulbs
- Building 12 74 bulbs

Total: 479 bulbs

6.0 SURVEY ACTIVITIES – POLYCHLORINATED BIPHENYLS (PCBs)

PCBs were assessed in each building by inspecting suspect building materials. Suspect materials included light ballasts. The ballasts were not accessible for inspection. Non-PCB ballasts can be identified by a label that is not always visible without removing the ballast. Light ballasts manufactured before 1978 contained PCBs. Based on the age of the buildings, it should be assumed that the ballasts contain PCBs until they are removed and inspected for the presence of the non-PCB label. The building number and quantity of fluorescent ballasts are as follows:

- Building 1 6 ballasts
- Building 2 13 ballasts
- Building 3 19 ballasts
- Building 4 118 ballasts
- Building 5 1 ballast
- Building 6 8 ballasts
- Building 9 11 ballasts
- Building 10 38 ballasts
- Building 12 37 ballasts

Total: 251 ballasts

7.0 CONCLUSIONS

LBP is present on various painted surfaces in buildings 2, 3, 4, 5, 6, 7, 10, 11, and 12.

Some painted surfaces were in poor condition.

The Occupational Safety and Health Administration (OSHA) considers that any amount of lead in a material could result in an exposure to workers. If workers scrape LBP from surfaces, the provisions of 29 CFR 1926.62 would apply to control employee exposure to lead. Under this standard, the employer must initially determine if any employee may be exposed to lead at or above the action level of 30 micrograms per cubic meter ($\mu g/m^3$), and a negative assessment is required.

All fluorescent light bulbs in the facilities should be assumed to contain mercury. Low mercury bulbs are designated by a green tip; however, low mercury bulbs still contain mercury and Kansas treats them the same as other fluorescent bulbs. When bulbs are removed, they should be collected and recycled or disposed as universal waste. Broken bulbs should be cleaned up immediately, and the glass placed in a plastic bag for disposal.

PCB-containing ballasts should be disposed at Toxic Substances Control Act (TSCA) permitted landfill or recycled.

8.0 RECOMMENDATIONS

iSi makes the following recommendations:

- The building materials with LBP can be disposed at a permitted construction and demolition (C&D) landfill. If the surfaces will be disturbed during demolition, notify employees of the presence of lead and take precautions to control exposure.
- Assume all fluorescent light ballasts contain PCBs until they are removed and a non-PCB label is identified. Dispose of the ballasts as a universal waste.
- Collect and recycle fluorescent light bulbs.
- Collect and recycle mercury thermostats and the mercury switch.

DISCLAIMER

The inspector made every effort to reach and assess all specified areas of the building; however, some suspect lead-based paint, mercury, or PCBs may have eluded the inspector due to inaccessibility at the time of inspection. It is possible that, during future demolition activities, additional suspect materials may be discovered which have not been identified by this survey. If this occurs, and the materials could be disturbed during these activities, the materials should be removed and disposed properly.

The presence or absence of lead-based paint or lead-based paint hazards applies only to tested or assessed surfaces on the date of the field visit, and it should be understood that conditions may change due to deterioration or maintenance. ISI has analyzed the available information using what we believe to be current applicable survey techniques.

Except for the areas specifically addressed within the contained report, ISI offers no opinion. The purpose of this report is to provide the client with an evaluation of the environmental condition on the subject property on or before the date of inspection, July 29 through 30, 2010, and is limited to information available at that time.

ISI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted, existing environmental engineering, health and safety principles, and applicable regulations at the time and location of this inspection.

APPENDICES

APPENDIX A: Photographic Building Identification

APPENDIX B: Inspector's Kansas Lead Assessor License

APPENDIX C: Lead-Based Paint Data Sheets

APPENDIX D: Building Diagrams – Lead-Based Paint

APPENDIX A: Photographic Building Identification

Bldg 1

Bldg 2

Bldg 3

Bldg 4

Bldg 5

Bldg 6

Bldg 7

Bldg 8

Bldg 9

Bldg 10

Bldg 11

Bldg 12

APPENDIX B: Inspector's Kansas Lead Assessor License

APPENDIX C: LBP Testing Data Sheets

Kansas Department of Health and Environment

Be it known, that having properly filed application with the Kansas Department of Health and Environment,

Constance Timmons

is hereby certified as a

Risk Assessor

Certification Number : KS04-4149

Date: July 13, 2010

Expiration Date August 10, 2012

Roderick L. Bremby
Secretary

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 1
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Office	A	wall		sheetrock	white	intact	Neg	0	0
1	Office	A	door		metal	green	poor	Neg	0.65	0.12
1	Office	A	door		metal	green	poor	Neg	0.62	0.14
1	Office		ceiling		sheetrock	white	intact	Neg	0	0
1	Office	C	cabinet	exterior door	wood	gray	intact	Neg	0.06	0.08
1	Office	C	cabinet	interior door	wood	varnish	intact	Neg	0	0
1	Office	C	air vent		metal	tan	intact	Neg	0	0.01
2	Bay 1	B	wall		sheetrock	gray	intact	Neg	0	0
2	Bay 1	A	wall	lower wall	wood	gray	intact	Neg	0	0
2	Bay 1	B	overhead door 1		metal	lt gray	intact	Neg	0	0
2	Bay 1	B	wall	a few painted spots	metal	white	poor	Neg	0.08	0.06
2	Bay 1	B	overhead door 2		metal	white	intact	Neg	0	0.01
3	Bay 2	B	overhead door 3		metal	white	intact	Neg	0	0
Exterior	Exterior	A	wall		metal	blue	poor	Neg	0.21	0.1
Exterior	Exterior	A	door		metal	lt blue	poor	Neg	0.47	0.11
Exterior	Exterior	A	stairs		metal	white	intact	Neg	0.43	0.12
Exterior	Exterior	A	stairs		metal	white	intact	Neg	0.35	0.1
Exterior	Exterior	A	window A-1	frame	metal	lt blue	intact	Neg	0.28	0.14
Exterior	Exterior	D	wall		metal	lt blue	intact	Neg	0.19	0.1
Exterior	Exterior	B	wall		metal	lt blue	poor	Neg	0.19	0.08
Exterior	Exterior	B	overhead door 1		metal	white	intact	Neg	0	0.02
Exterior	Exterior	C	wall		metal	lt blue	poor	Neg	0.12	0.06
Exterior	Exterior	C	window C-1	frame	metal	lt blue	intact	Neg	0.07	0.05

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 2
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Bay 1	A	wall		wood	varnish	intact	Neg	0	0
1	Bay 1	A	door		metal	lt gray	intact	Neg	0	0
1	Bay 1	C	room 3 door		wood	varnish	intact	Neg	0	0
1	Bay 1	C	room 3 door	casing	wood	varnish	intact	Neg	0	0.01
1	Bay 1	C	restroom door		wood	varnish	intact	Neg	0	0
1	Bay 1	C	restroom door	casing	wood	varnish	intact	Neg	0	0
2	Women's restroom	A	wall	upper wall	sheetrock	white	intact	Neg	0	0
2	Women's restroom	A	wall	lower wall	sheetrock	lt brown	fair	Neg	0	0
2	Women's restroom	C	telephone switch box	casing	wood	white	intact	Neg	0	0
2	Women's restroom	C	fusebox	cover	metal	lt brown	intact	Neg	0	0.02
2	Women's restroom	D	door		wood	varnish	intact	Neg	0	0
3	Bay 2	A	wall		sheetrock	white	intact	Neg	0	0
3	Bay 2	A	window A-3	casing	wood	white	intact	Neg	0	0
3	Bay 2	B	exterior door		metal	dk gray	intact	Neg	0.03	0.03
3	Bay 2	B	exterior door	frame	metal	white	intact	Neg	0	0.02
3	Bay 2	B	baseboard		wood	white	intact	Neg	0	0
3	Bay 2	D	bathroom door	stile	wood	white	intact	Neg	0.75	0.1
3	Bay 2	D	bathroom door	panel	wood	white	intact	Pos	1.04	0.24
3	Bay 2	D	bathroom door	casing	wood	white	intact	Neg	0	0
4	Men's restroom	C	wall		sheetrock	white	intact	Neg	0	0
4	Men's restroom	C	door	panel	wood	white	intact	Pos	0.83	0.12
4	Men's restroom	C	door	stile	wood	white	intact	Pos	0.82	0.1
4	Men's restroom	C	door	stile	wood	white	intact	Pos	1.35	0.36
4	Men's restroom	D	baseboard		wood	beige	intact	Neg	0	0
Exterior	Exterior	A	wall		metal	mauve	poor	Neg	0.13	0.06
Exterior	Exterior	A	door		metal	mauve	intact	Neg	0	0
Exterior	Exterior	A	downspout		metal	brown	intact	Neg	0.02	0.05
Exterior	Exterior	B	wall		metal	beige	poor	Neg	0.16	0.09
Exterior	Exterior	B	door		metal	brown	poor	Neg	0	0.01
Exterior	Exterior	B	door	frame	metal	brown	intact	Neg	0.02	0.03
Exterior	Exterior	B	window B-1	casing	metal	beige	poor	Neg	0.14	0.06
Exterior	Exterior	B	window B-2	casing	metal	brown	intact	Neg	0.2	0.1
Exterior	Exterior	C	wall		metal	beige	poor	Neg	0.17	0.09
Exterior	Exterior	C	door		metal	brown	intact	Neg	0.02	0.04
Exterior	Exterior	D	wall		metal	white	poor	Neg	0.18	0.07
Exterior	Exterior		roof		metal	red	intact	Neg	0.09	0.05

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 3
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Shower room office	A	wall		sheetrock	white	intact	Neg	0	0
1	Shower room office	A	shelf		wood	white	intact	Neg	0	0
1	Shower room office	A	shelf	support	wood	white	intact	Neg	0	0
1	Shower room office	C	shower room door		wood	white	intact	Neg	0	0
1	Shower room office	C	shower room door	jamb	wood	white	intact	Neg	0	0
1	Shower room office	D	door		metal	gray	intact	Neg	0	0.01
1	Shower room office	D	door	frame	metal	gray	intact	Neg	0	0
2	Shower room #1	A	wall		sheetrock	white	intact	Neg	0	0
2	Shower room #1	A	door		wood	white	intact	Neg	0	0
2	Shower room #1	A	door	casing	wood	white	intact	Neg	0	0
3	Shower room #2	A	wall		sheetrock	white	intact	Neg	0	0
3	Shower room #2	A	doorway	jamb	wood	white	intact	Neg	0	0
4	Shower room #3	A	wall		sheetrock	white	intact	Neg	0	0
4	Shower room #3	A	door		wood	white	intact	Neg	0	0
4	Shower room #3	A	door	casing	wood	white	intact	Neg	0	0
4	Shower room #3	B	wall		wood	white	intact	Neg	0	0
5	Bay	A	I-beam		metal	blue	intact	Pos	2.02	0.57
5	Bay	A	I-beam	support to ceiling	metal	white	poor	Neg	0.22	0.11
5	Bay	A	conduit		metal	blue	intact	Neg	0.1	0.08
5	Bay	A	window A-3	trim	metal	blue	fair	Pos	2.39	0.55
5	Bay	A	window A-3	sill	metal	blue	fair	Pos	2.15	0.59
5	Bay	B	wall		metal	blue	poor	Neg	0.23	0.13
5	Bay	B	doorway	frame	metal	blue	poor	Pos	2.54	0.54
5	Bay	B	louver	frame	wood	blue	intact	Neg	0.05	0.05
5	Bay	B	window	frame	wood	white	intact	Neg	0.06	0.06
5	Bay	B	water pipe	large vertical	metal	blue	poor	Neg	0.11	0.08
5	Bay	C	water pipe	horizontal from water heater	metal	blue	poor	Pos	1.28	0.23
5	Bay	B	water pipe	small vertical from water heater	metal	blue	intact	Neg	0.15	0.1
5	Bay	B	bench		wood	white	intact	Neg	0	0
5	Bay		table		wood	blue	intact	Neg	0.68	0.11
5	Bay	C	I-beam		metal	blue	poor	Pos	0.85	0.13
5	Bay	C	I-beam		metal	blue	poor	Pos	0.94	0.08
5	Bay	C	I-beam		metal	blue	poor	Pos	1.3	0.29

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 3
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
5	Bay	C	drain line	vertical - by window C-3	metal	blue	poor	Pos	1.47	0.31
5	Bay	C	window C-3	jamb	wood	blue	poor	Pos	1.28	0.24
5	Bay	C	window C-3	muntin	wood	blue	poor	Pos	1.33	0.26
5	Bay	D	wall		wood	blue	poor	Neg	0.17	0.13
5	Bay	A	wall	outside of room 6	sheetrock	blue	intact	Neg	0	0
5	Bay	A	bench	outside of room 6	wood	white	intact	Neg	0.53	0.13
5	Bay		ceiling	bottom layer of paint	metal	lt green	poor	Neg	0.21	0.12
5	Bay		ceiling	top layer of paint	metal	white	poor	Neg	0.22	0.13
5	Bay		seam plate on ceiling	from I-beam	metal	white	poor	Neg	0.31	0.16
5	Office	A	window A-1	jamb	wood	blue	poor	Pos	1.86	0.46
6	Office	B	wall		sheetrock	blue	intact	Neg	0	0
6	Office	B	baseboard		wood	blue	intact	Neg	0	0
7	Office	A	exterior door		metal	blue	poor	Pos	2.41	0.44
7	Office	A	exterior door	frame	metal	blue	poor	Pos	1.39	0.24
7	Office	A	window A-5	jamb	wood	blue	intact	Pos	2.2	0.59
7	Office	B	door		metal	gray	intact	Neg	0	0.01
7	Office	B	door	frame	metal	gray	intact	Neg	0	0
7	Office	B	window B-1	jamb	wood	blue	poor	Pos	2.6	0.63
7	Office	C	wall		wood	blue	intact	Neg	0	0
7	Office	C	baseboard		wood	blue	intact	Neg	0.02	0.04
7	Office	C	door		wood	lt brown	intact	Neg	0.02	0.03
7	Office	C	door	casing	wood	blue	intact	Neg	0.01	0.02
7	Office	D	conduit		metal	blue	poor	Neg	0.19	0.15
7	Office	D	bench		wood	blue	intact	Neg	0.24	0.08
8	Office	A	wall		wood	varnish	intact	Neg	0.07	0.2
8	Office	A	door		wood	lt brown	intact	Neg	0.03	0.02
8	Office	A	door	jamb	wood	lt brown	intact	Neg	0.02	0.03
8	Office	A	bulletin board	frame	wood	lt blue	intact	Neg	0	0
8	Office	B	window B-2		wood	lt green	intact	Pos	1.59	0.3
8	Office	B	window B-2	muntin	metal	dk green	poor	Pos	1.01	0.18
9	Outside room	A	sliding door	jamb	metal	cream	poor	Neg	0.23	0.09
Exterior	Exterior	A	wall		metal	lt blue	poor	Neg	0.03	0.05
Exterior	Exterior	A	downspout		metal	white	intact	Neg	0.03	0.07
Exterior	Exterior	A	door		metal	lt blue	fair	Neg	0	0.01

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 3
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
Exterior	Exterior	A	window A-2	frame	metal	lt blue	intact	Neg	0.21	0.1
Exterior	Exterior	B	wall		metal	lt blue	poor	Neg	0.13	0.06
Exterior	Exterior	B	door		metal	lt blue	intact	Neg	0	0
Exterior	Exterior	B	window B-1	frame	metal	lt blue	poor	Neg	0.21	0.08
Exterior	Exterior	B	conduit		metal	lt blue	intact	Neg	0.13	0.11
Exterior	Exterior	C	wall		metal	lt blue	poor	Neg	0.16	0.07

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 4
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Foyer	A	door	jamb	metal	dk brown	intact	Neg	0.03	0.04
1	Foyer		ceiling		wood	white	intact	Neg	0.02	0.04
2	Reception	B	wall		wood	varnish	intact	Neg	0	0
2	Reception	B	doorway	casing	wood	dk brown	intact	Neg	0	0.01
2	Reception	B	doorway	jamb	wood	dk brown	intact	Neg	0	0
2	Reception	C	doorway	frame	wood	dk brown	intact	Neg	0.01	0.03
3	Office	C	wall		wood	varnish	intact	Neg	0	0
4	Corridor	B	wall		cinderblock	white	intact	Neg	0.03	0.12
4	Corridor	D	wall		sheetrock	white	intact	Neg	0	0
5	Office	B	wall		sheetrock	white	intact	Neg	0	0
5	Office	D	D-4 window	jamb	wood	varnish	intact	Neg	0	0
5	Office	B	door	casing	wood	dk brown	intact	Neg	0	0
6	Office	D	wall		sheetrock	white	intact	Neg	0	0
6	Office	B	door		metal	dk brown	intact	Neg	0	0
6	Office	B	door	casing	wood	dk brown	intact	Neg	0	0
7	Office	D	wall		sheetrock	white	intact	Neg	0	0
8	Office	A	wall		sheetrock	white	intact	Neg	0	0
8	Office	A	door		metal	dk brown	intact	Neg	0	0
8	Office	A	door	casing	metal	dk brown	intact	Neg	0	0
9	Office	A	wall		sheetrock	white	intact	Neg	0	0
9	Office	D	door		metal	dk brown	intact	Neg	0	0
9	Office	A	wall		sheetrock	white	intact	Neg	0	0
9	Office	A	door	casing	wood	dk brown	intact	Neg	0	0
9	Office	B	window B-3	jamb	sheetrock	white	poor	Neg	0	0
10	Office	D	wall		sheetrock	white	intact	Neg	0	0
10	Office	D	door		metal	dk brown	intact	Neg	0	0
11	Vault	A	wall		brick	white	intact	Neg	0.03	0.03
12	Restroom	A	wall		cinderblock	white	intact	Neg	0.02	0.04
12	Restroom	C	corridor door	casing	wood	dk brown	intact	Neg	0.01	0.02
12	Restroom		stall divider		metal	white	intact	Pos	1.21	0.36
13	Corridor	A	wall		cinderblock	white	intact	Neg	0.04	0.1
13	Corridor	A	mechanical room doorway	casing	wood	dk brown	intact	Neg	0.02	0.04
13	Corridor	B	maintenance door		metal	dk brown	intact	Neg	0.02	0.06
13	Corridor	C	mail rack		metal	gray	intact	Neg	0	0.01
14	Office	A	door	casing	wood	dk brown	intact	Neg	0.03	0.09

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 4
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
14	Office	A	door		wood	varnish	intact	Neg	0.01	0.02
15	Mechanical room	A	wall		cinderblock	lt green	intact	Neg	0.07	0.11
15	Mechanical room	B	support board		wood	lt green	intact	Neg	0	0
15	Mechanical room	C	doorway	casing	wood	dk brown	intact	Neg	0.01	0.02
16	Lab	A	wall		cinderblock	white	intact	Neg	0.05	0.07
16	Lab	A	door		metal	gray	intact	Neg	0.05	0.07
16	Lab	A	door	frame	metal	dk brown	intact	Neg	0.01	0.04
16	Lab	A	lab bench	drawer front	wood	gray	intact	Neg	0	0
16	Lab		divider wall		wood	gray	intact	Neg	0	0
16	Lab	B	door	casing	wood	dk brown	intact	Neg	0.03	0.03
16	Lab	B	door		wood	dk brown	fair	Neg	0.02	0.02
16	Lab		lab bench		wood	gray	intact	Neg	0.05	0.04
16	Lab	C	wall	black stripe	cinderblock	black	intact	Pos	>0.8	
16	Lab	C	wall	black stripe	cinderblock	black	intact	Pos	>0.8	
16	Lab	C	wall	black stripe	cinderblock	black	intact	Neg	0.23	0.09
16	Lab	C	wall	black stripe	cinderblock	black	poor	Neg	0.15	0.09
16	Lab	B	wall	black stripe	cinderblock	black	intact	Neg	0.1	0.07
16	Lab	C	wall	black stripe	cinderblock	black	intact	Neg	0.2	0.06
16	Lab	C	wall	above stripe	cinderblock	white	intact	Neg	0.02	0.08
17	Office	B	wall		sheetrock	white	intact	Neg	0	0
18	Office	A	wall		cinderblock	white	poor	Neg	0.1	0.13
18	Office		floor		concrete	gray	poor	Neg	0.06	0.03
19	Lab entrance	B	wall		cinderblock	lt green	intact	Pos	>0.8	
19	Lab entrance	B	wall		cinderblock	lt green	intact	Pos	>0.8	
19	Lab entrance	A	wall		cinderblock	lt green	intact	Pos	>0.8	
19	Lab entrance	B	wall		cinderblock	lt green	intact	Neg	0.09	0.13
20	Vestibule	C	wall		cinderblock	white	intact	Neg	0.1	0.27
20	Vestibule	C	wall		cinderblock	white	intact	Neg	0.05	0.19
20	Vestibule	A	switch room door		wood	white	intact	Neg	0	0
20	Vestibule	A	switch room door	jamb	wood	dk brown	intact	Neg	0.03	0.04
21	Switch room	A	wall		cinderblock	white	intact	Neg	0.05	0.13
21	Switch room	A	window	panel	sheetrock	white	fair	Neg	0	0
21	Switch room	B	breaker panel	door	metal	green	intact	Neg	0.03	0.11
21	Switch room	C	panel support board		wood	white	intact	Neg	0	0
22	Restroom	B	wall		cinderblock	white	intact	Neg	0	0.01

LBP Testing Data Sheet

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1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
22	Restroom	C	cabinet	face	wood	white	intact	Neg	0	0
22	Restroom	C	doorway	casing	wood	white	intact	Neg	0.01	0.02
22	Restroom	D	wall		sheetrock	white	intact	Neg	0	0
22	Restroom	D	door		wood	varnish	intact	Neg	0	0
22	Restroom		ductwork	at ceiling	metal	white	intact	Neg	0.01	0.03
Exterior	Exterior	A	window awning		metal	white	intact	Neg	0	0
Exterior	Exterior	A	lab door		metal	lt blue	intact	Neg	0.02	0.04
Exterior	Exterior	C	roof ladder		metal	dk brown	fair	Neg	0.22	0.08
Exterior	Exterior	C	downspout		metal	lt brown	intact	Neg	0.13	0.06

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 5
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Main room	A	door	casing	wood	lt green	intact	Neg	0.02	0.05
1	Main room	A	door		metal	silver	intact	Neg	0.01	0.02
1	Main room	A	wall		sheetrock	lt green	poor	Neg	0.02	0.03
1	Main room	B	window	casing	wood	lt green	intact	Neg	0.03	0.05
1	Main room	B	window	board	metal	silver	intact	Neg	0	0
1	Main room		ceiling		metal	lt green	poor	Neg	0.1	0.08
Exterior	Exterior	A	wall		metal	lt blue	fair	Pos	2.38	0.42
Exterior	Exterior	A	door		metal	lt blue	fair	Neg	0.18	0.08
Exterior	Exterior	B	wall		metal	lt blue	intact	Pos	0.91	0.1
Exterior	Exterior	B	wall		metal	lt blue	intact	Neg	0.6	0.14
Exterior	Exterior	B	window	board	metal	lt blue	intact	Pos	>6	
Exterior	Exterior	B	window	board	metal	lt blue	intact	Neg	0	0
Exterior	Exterior	B	window	board	metal	lt blue	intact	Pos	>0.8	
Exterior	Exterior	B	conduit		metal	lt blue	intact	Neg	0.1	0.05
Exterior	Exterior	C	wall		metal	lt blue	intact	Pos	0.98	0.08
Exterior	Exterior	C	wall		metal	lt blue	intact	Neg	0.51	0.12
Exterior	Exterior	C	wall		metal	lt blue	intact	Pos	0.98	0.17
Exterior	Exterior	C	window C-2	frame	metal	lt blue	intact	Neg	0.31	0.1
Exterior	Exterior	D	wall		metal	lt blue	intact	Neg	0.31	0.09
Exterior	Exterior	A	wall		metal	lt blue	intact	Pos	3.63	0.55
Exterior	Exterior	A	window A-1	frame	metal	lt blue	fair	Pos	0.8	0.08
Exterior	Exterior	A	window A-1	frame	metal	lt blue	fair	Pos	3.46	0.54

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 6
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Main room	A	wall		metal	white	intact	Neg	0.02	0.04
1	Main room	A	door		metal	gray	intact	Neg	0.03	0.06
1	Main room	A	window A-1		metal	white	intact	Neg	0.02	0.05
1	Main room	C	fuel tester	drawer front	wood	black	intact	Neg	0.1	0.06
1	Main room	C	fuel tester	base	concrete	black	intact	Neg	0.11	0.06
1	Main room	B	test bench		wood	dk gray	intact	Neg	0	0
1	Main room	C	tank		metal	yellow	fair	Pos	3.29	0.54
1	Main room	C	fire extinguisher support board		wood	red	intact	Neg	0.13	0.07
1	Main room	C	exhaust flue	from fuel tester	metal	red	intact	Neg	0.25	0.09
1	Main room	C	bench		wood	gray	intact	Neg	0.05	0.04
1	Main room	D	valve		metal	silver	intact	Neg	0.31	0.09
Exterior	Exterior	A	wall		metal	lt green	intact	Neg	0.02	0.03
Exterior	Exterior	A	corner trim		metal	white	intact	Neg	0.11	0.24
Exterior	Exterior	A	door		metal	cream	intact	Neg	0.02	0.03

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 7
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
Exterior	Exterior	A	door		metal	silver	poor	Pos	3.11	0.49
Exterior	Exterior		roof		metal	red	poor	Neg	0.13	0.06
1	Main room		valve		metal	silver	poor	Neg	0.03	0.1
1	Main room		valve		metal	silver	poor	Neg	0.01	0.05
1	Main room	A	hand rail		metal	dk gray	poor	Pos	4.29	0.63

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 8
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Main room	A	door		metal	black	poor	Neg	0.01	0.01
1	Main room	A	door	frame	metal	black	poor	Neg	0.03	0.03
1	Main room		fuel pump		metal	red	poor	Neg	0.07	0.04
Exterior	Exterior	A	door		metal	black	poor	Neg	0.13	0.07
Exterior	Exterior	B	window B-2	frame	metal	gray	poor	Neg	0.09	0.05
Exterior	Exterior	B	2x4 frame	demolished room	wood	white	intact	Neg	0.05	0.06
Exterior	Exterior	B	rafter	demolished room	wood	white	intact	Neg	0.07	0.05
Exterior	Exterior	B	roof section	bottom layer of paint	metal	white	poor	Neg	0.02	0.04
Exterior	Exterior	B	fascia		wood	white	poor	Neg	0.03	0.05

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 9
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Main room	A	wall		metal	white	intact	Neg	0.02	0.03
1	Main room	A	door		metal	gray	intact	Neg	0	0.01
1	Main room	A	door	frame	metal	white	intact	Neg	0.07	0.05
1	Main room	A	wall		wood	white	intact	Neg	0	0
1	Main room	A	overhead door	frame	metal	black	poor	Neg	0	0.01
1	Main room	A	shelving		wood	varnish	intact	Neg	0	0
1	Main room	C	support beam		metal	rust	intact	Neg	0.02	0.04
1	Main room	C	shelving unit		metal	black	intact	Neg	0	0.01
1	Main room	C	door		metal	white	fair	Neg	0.05	0.04
1	Main room	C	tool rack		metal	silver	intact	Neg	0.7	0.09
1	Main room	D	hoist	vertical portion	metal	silver	fair	Neg	0.04	0.07
1	Main room	D	hoist		metal	rust	fair	Neg	0	0.01
1	Main room	D	hoist	arm	metal	yellow	intact	Neg	0.08	0.04
Exterior	Exterior	A	wall		metal	white	intact	Neg	0.02	0.02
Exterior	Exterior	A	door		metal	white	intact	Neg	0.03	0.07
Exterior	Exterior	B	valve		metal	silver	intact	Neg	0	0.03

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 10
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Foyer	A	wall		sheetrock	lt blue	intact	Neg	0	0
1	Foyer	A	door		metal	dk gray	intact	Neg	0.03	0.04
2	Switch room	D	wall		sheetrock	pink	intact	Neg	0	0
2	Switch room	D	door		metal	dk gray	intact	Neg	0	0
3	Entrance	A	wall		sheetrock	lt blue	intact	Neg	0	0
3	Entrance	B	door		metal	gray	intact	Neg	0.03	0.05
4	Restroom	A	wall	upper wall	sheetrock	white	intact	Neg	0	0
4	Restroom	A	wall	lower wall	sheetrock	brown	intact	Neg	0	0
4	Restroom	D	door		metal	gray	fair	Neg	0.02	0.03
5	Mechanical room	D	wall		sheetrock	peach	intact	Neg	0	0
5	Mechanical room		I-beam		metal	red	intact	Pos	>5	
5	Mechanical room		I-beam		metal	red	intact	Pos	>5	
6	Computer room	A	wall		sheetrock	peach	intact	Neg	0	0
6	Computer room		floor panel		metal	white	intact	Neg	0	0
6	Computer room	A	door		metal	gray	intact	Neg	0.05	0.2
6	Computer room	B	conduit box	cover	metal	peach	intact	Neg	0.01	0.04
7	Control room	B	wall		sheetrock	lt blue	intact	Neg	0	0
7	Control room	D	exterior door		metal	lt blue	intact	Neg	0	0
Exterior	Exterior	A	door 2		metal	lt blue	fair	Neg	0.03	0.03

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 11
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Main room	A	door		metal	lt blue	fair	Neg	0	0
1	Main room	B	wall		metal	lt blue	intact	Neg	0	0
Exterior	Exterior	A	door		metal	lt blue	fair	Neg	0	0
Exterior	Exterior	B	wall		metal	lt blue	intact	Neg	0	0
Exterior	Exterior	B	base		metal	lt blue	poor	Neg	0	0
Exterior	Exterior	C	door bar plate		metal	cream	fair	Pos	1.45	0.31
Exterior	Exterior	C	door		metal	lt blue	fair	Neg	0	0
Exterior	Exterior		roof		metal	lt blue	intact	Neg	0.01	0.03
Exterior	Exterior		piping support pole		metal	silver	poor	Neg	0.01	0.06
Exterior	Exterior		air handler		metal	lt blue	poor	Neg	0	0
Exterior	Exterior	D	piping support	attached to building	metal	black	poor	Neg	0.14	0.06

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 12
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
1	Lab	A	wall		sheetrock	black	intact	Neg	0	0
1	Lab	A	door		metal	lt blue	intact	Neg	0	0
1	Lab	C	wall		sheetrock	black	intact	Neg	0	0
2	Lab	B	wall		sheetrock	white	intact	Neg	0	0
2	Lab	B	lab bench cabinet	exterior door	metal	gray	intact	Neg	0	0
3	Corridor	A	wall	upper wall	sheetrock	white	intact	Neg	0	0
3	Corridor	A	wall	lower wall	sheetrock	black	intact	Neg	0	0
3	Corridor	B	door		metal	gray	intact	Neg	0	0
3	Corridor	B	door	frame	metal	gray	intact	Neg	0	0
3	Corridor	D	doorway	frame	metal	black	intact	Neg	0	0
4	Office	A	wall		sheetrock	white	intact	Neg	0	0
5	Mechanical room	A	wall		sheetrock	white	intact	Neg	0	0
6	Office	A	wall		sheetrock	white	intact	Neg	0	0
7	Office	A	wall		wood	varnish	intact	Neg	0.54	0.23
8	Back entrance	A	wall		sheetrock	black	intact	Neg	0	0
8	Back entrance	B	wall		wood	black	intact	Neg	0	0
8	Back entrance	C	exterior door		metal	gray	intact	Neg	0	0
8	Back entrance	D	wall		sheetrock	lt blue	intact	Neg	0	0
8	Back entrance	D	bathroom door	casing	wood	white	intact	Neg	0	0.02
8	Back entrance	A	lab doorway	left frame	metal	black	intact	Pos	1.03	0.18
8	Back entrance	A	lab doorway	left jamb	metal	black	intact	Neg	0.27	0.09
8	Back entrance	A	lab doorway	left frame	metal	black	intact	Pos	1.2	0.21
8	Back entrance	A	lab doorway	right frame	metal	black	intact	Neg	0.62	0.14
8	Back entrance	A	lab doorway	right jamb	metal	black	intact	Pos	1.33	0.26
9	Restroom	A	wall	upper wall	sheetrock	blue	intact	Neg	0	0
9	Restroom	A	wall	lower wall	sheetrock	white	intact	Neg	0	0
9	Restroom	A	baseboard		wood	blue	intact	Neg	0.01	0.02
9	Restroom	A	drain pipe		PVC	white	intact	Pos	>0.8	
9	Restroom	A	drain pipe		PVC	white	intact	Pos	>0.8	
9	Restroom	A	drain pipe		PVC	white	intact	Neg	0.02	0.04
9	Restroom	A	drain pipe		PVC	blue	intact	Pos	>0.8	
9	Restroom	D	cabinet	door	wood	white	fair	Neg	0	0
9	Restroom	C	window C-3	casing	wood	white	intact	Neg	0.02	0.04
9	Restroom	B	door	casing	wood	white	intact	Neg	0.01	0.04

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Date: 7/29/2010 - 7/30/2010

Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
9	Restroom	A	drain pipe	same pipe as #149-153, sampled higher	PVC	white	intact	Neg	0.01	0.04
10	Lab	A	wall	upper wall	sheetrock	blue	intact	Neg	0	0
10	Lab	A	wall	lower wall	sheetrock	black	intact	Neg	0	0
10	Lab	A	baseboard		wood	black	intact	Neg	0.03	0.03
10	Lab	A	job board		wood	green	intact	Neg	0	0
10	Lab	A	bulletin board	frame	wood	white	intact	Neg	0.21	0.11
10	Lab	B	corridor doorway	frame	metal	black	intact	Neg	0	0
10	Lab	C	electrical conduit		metal	white	fair	Neg	0.07	0.22
10	Lab		lab bench	middle of room	wood	black	fair	Neg	0	0
10	Lab	D	lab bench	drawer front	wood	black	fair	Pos	2.71	0.62
10	Lab	D	lab bench	drawer front	wood	black	fair	Pos	3.23	0.73
10	Lab	D	lab bench	cabinet exterior door	wood	black	fair	Pos	3	0.64
10	Lab	D	lab bench	cabinet interior door	wood	brown	fair	Pos	0.95	0.14
10	Lab	D	lab bench	cabinet interior door	wood	brown	fair	Neg	0.7	0.09
10	Lab	D	lab bench	cabinet interior door	wood	brown	fair	Pos	1.09	0.2
10	Lab	C	conduit support board		wood	blue	intact	Pos	1.38	0.5
10	Lab	C	wall		sheetrock	blue	intact	Neg	0	0
10	Lab	C	first aid cabinet	exterior door	wood	blue	intact	Pos	2.34	0.63
10	Lab	C	first aid cabinet	interior door	wood	cream	intact	Pos	1.78	0.47
10	Lab	A	lab door	casing	wood	white	fair	Neg	0	0
10	Lab	D	mini-temp cabinet		wood	blue	intact	Neg	0.12	0.06
10	Lab	D	window D-2	casing	wood	white	intact	Pos	1.72	0.41
10	Lab	D	window D-2	mumin	metal	blue	fair	Pos	1.44	0.31
10	Lab	D	window D-2	sill	wood	blue	poor	Pos	>2.69	
11	Lab	A	wall		sheetrock	blue	intact	Neg	0	0
11	Lab	A	electrical conduit		metal	blue	intact	Pos	>2.33	
11	Lab	A	small support board		wood	blue	intact	Neg	0	0
11	Lab	A	electrical outlet box		metal	blue	intact	Pos	1.01	0.22
11	Lab	A	elecrical panel		metal	black	poor	Neg	0.63	0.14
11	Lab	A	elecrical panel		metal	black	poor	Neg	0	0.01
11	Lab	A	window A-2	casing	wood	white	intact	Neg	0	0
11	Lab	A	window A-2	sill	wood	blue	poor	Pos	1.54	0.38
11	Lab	A	cabinet	drawer front	wood	black	fair	Pos	2.29	0.49
11	Lab	C	wall		sheetrock	blue	intact	Neg	0	0

LBP Testing Data Sheet

Address/Unit No.: Old Coastal Oil Refinery Building 12
1835 North Topeka, El Dorado, Kansas

XRF Serial No.: 6289
Innov-X

Date: 7/29/2010 - 7/30/2010

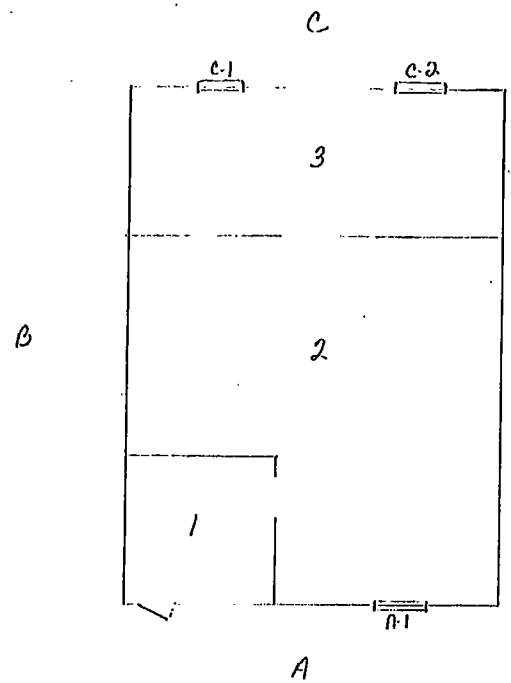
Inspector Name: Constance Timmons

Signature:

Room Equiv	Room	Side	Feature	Location	Substrate	Color	Condition	XRF Result	Pbc	±
11	Lab	C	electrical conduit		metal	blue	intact	Neg	0.05	0.07
11	Lab	C	lab bench	back wall of bench	wood	black	intact	Neg	0	0
11	Lab	C	lab bench	leg	wood	black	intact	Neg	0	0
11	Lab	C	lab hood bench	front	wood	black	intact	Neg	0.03	0.05
11	Lab	C	lab door	casing	wood	white	intact	Neg	0	0
12	Scale office	A	wall		wood	blue	intact	Neg	0	0
12	Scale office	B	driver reception alcove door	jamb	wood	blue	intact	Neg	0	0
12	Scale office	B	driver reception alcove door		wood	blue	intact	Neg	0	0
12	Scale office	B	driver reception counter		wood	white	intact	Neg	0	0
12	Scale office	A	driver reception wall		wood	black	intact	Neg	0	0
12	Scale office	B	exterior door		metal	gray	poor	Neg	0	0
12	Scale office	B	job board		wood	dk green	intact	Neg	0.03	0.06
12	Scale office	B	air conditioner window	frame	wood	blue	intact	Neg	0	0
12	Scale office	C	counter edge		wood	blue	intact	Neg	0	0
12	Scale office	D	bench	exterior door	wood	gray	poor	Neg	0.02	0.03
12	Scale office	D	bench	interior door	wood	white	intact	Neg	0.02	0.03
12	Scale office	D	bench	shelf	wood	white	intact	Neg	0.02	0.03
Exterior	Exterior	A	door		metal	gray	intact	Neg	0	0
Exterior	Exterior	A	wall		metal	gray	intact	Neg	0	0
Exterior	Exterior	C	fire extinguisher support panel		metal	red	intact	Neg	0.06	0.04
Exterior	Exterior	C	door	frame	metal	black	intact	Neg	0	0
Exterior	Exterior	D	corner trim	at scale office	wood	gray	poor	Neg	0	0
Exterior	Exterior	D	elecrical conduit	at scale office	metal	gray	intact	Neg	0.14	0.1
Exterior	Exterior	D	air conditioner support board		wood	white	poor	Neg	0	0
Exterior	Exterior	A	wall	by scale office	metal	silver	fair	Neg	0.08	0.05
Exterior	Exterior	A	horizontal conduit		metal	gray	fair	Neg	0.13	0.09

APPENDIX D: Building Diagrams – Lead-Based Paint

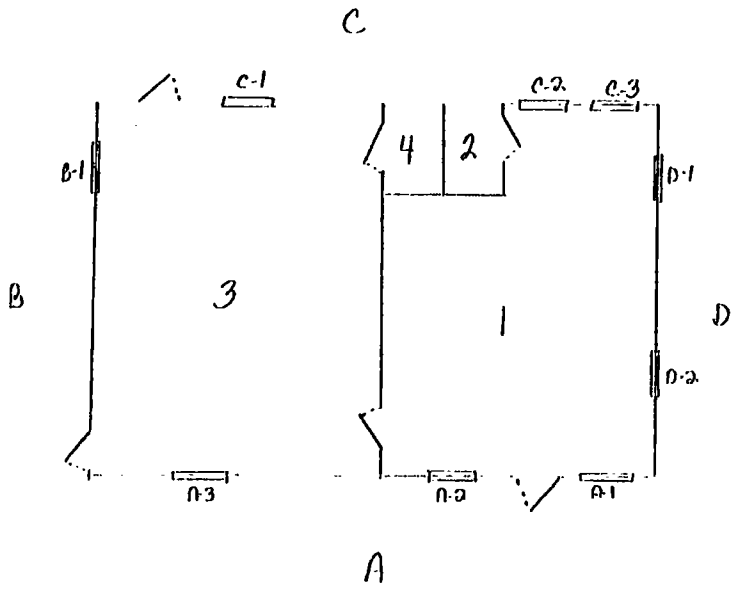
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 1
Old Coastal Oil Refinery

Drawing not to Scale

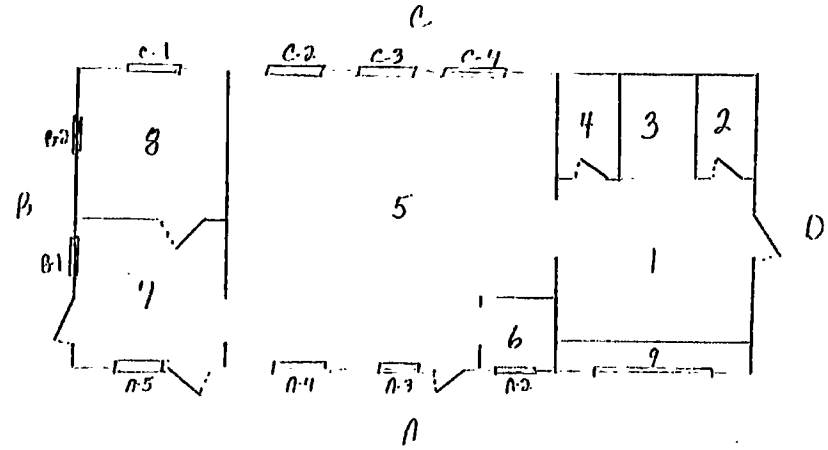
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 2
Old Coastal Oil Refinery

Drawing not to Scale

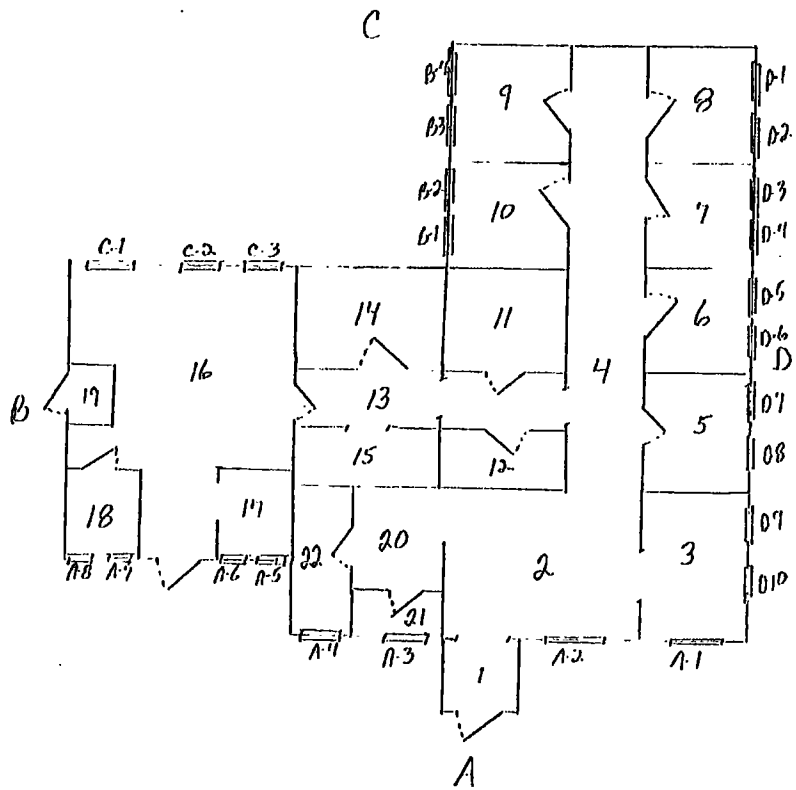
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 3
Old Coastal Oil Refinery

Drawing not to scale

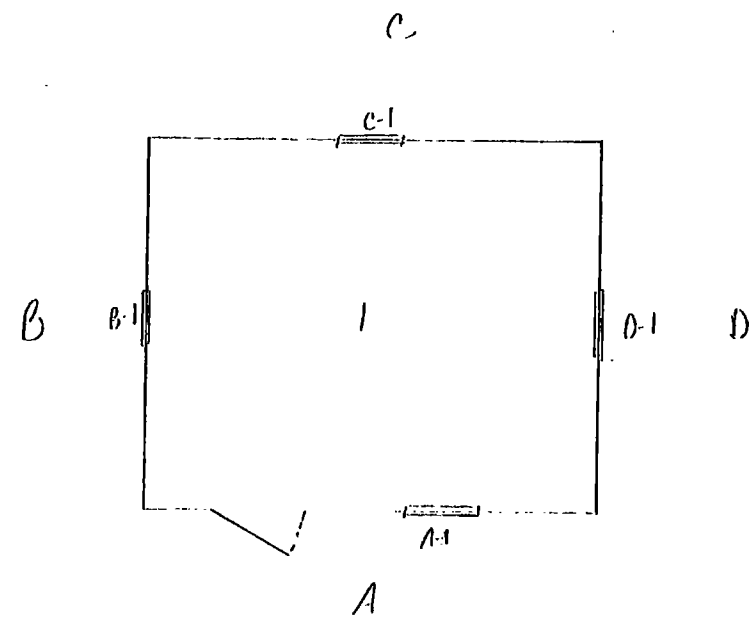
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 4
Old Coastal Oil Refinery

Drawing not to scale.

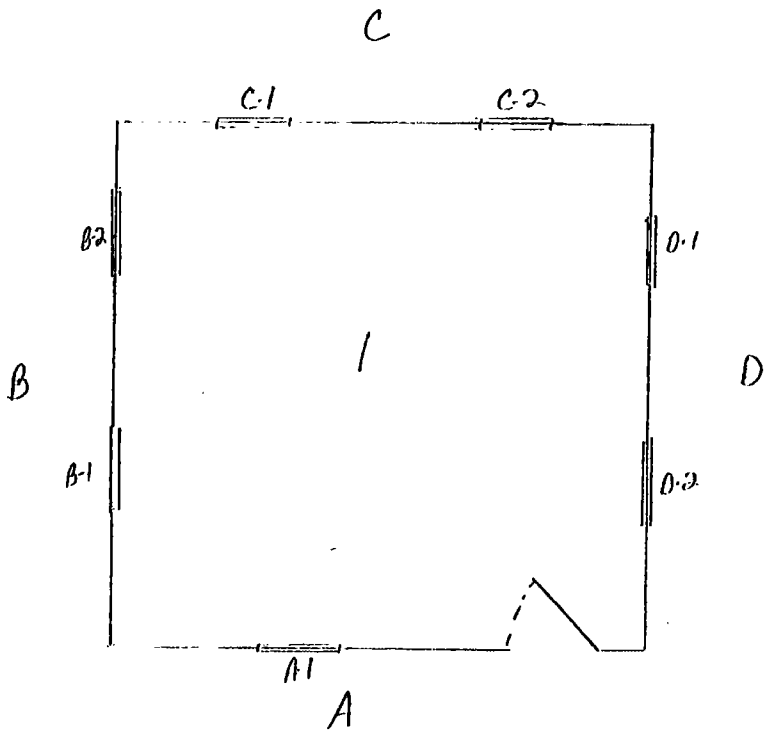
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 5
Old Coastal Oil Refinery

Drawing not to scale.

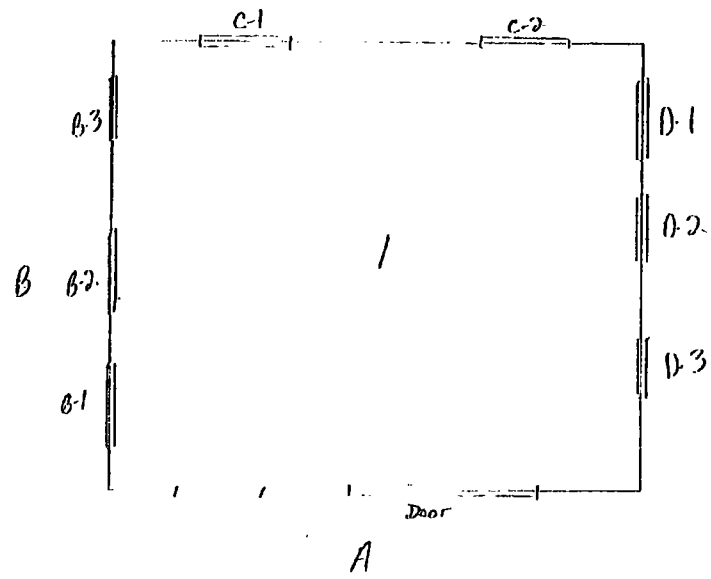
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 6
Old Coastal Oil Refinery

Drawing not to scale

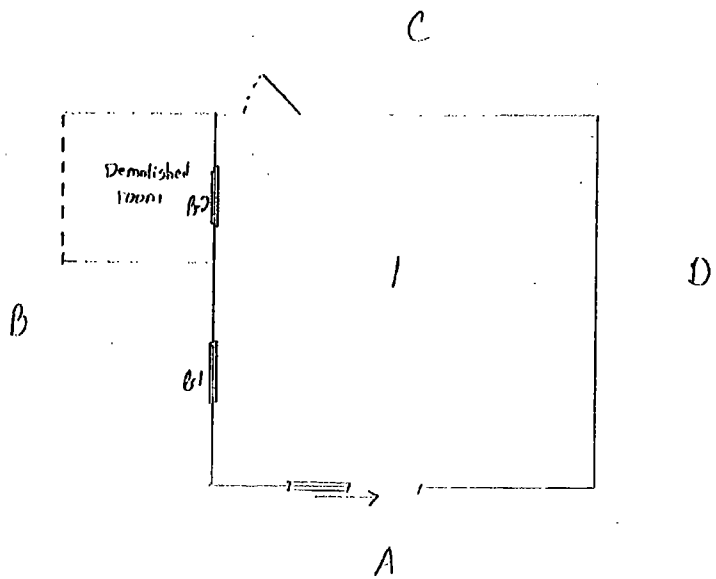
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 7
Old Coastal Oil Refinery

Drawing not to scale

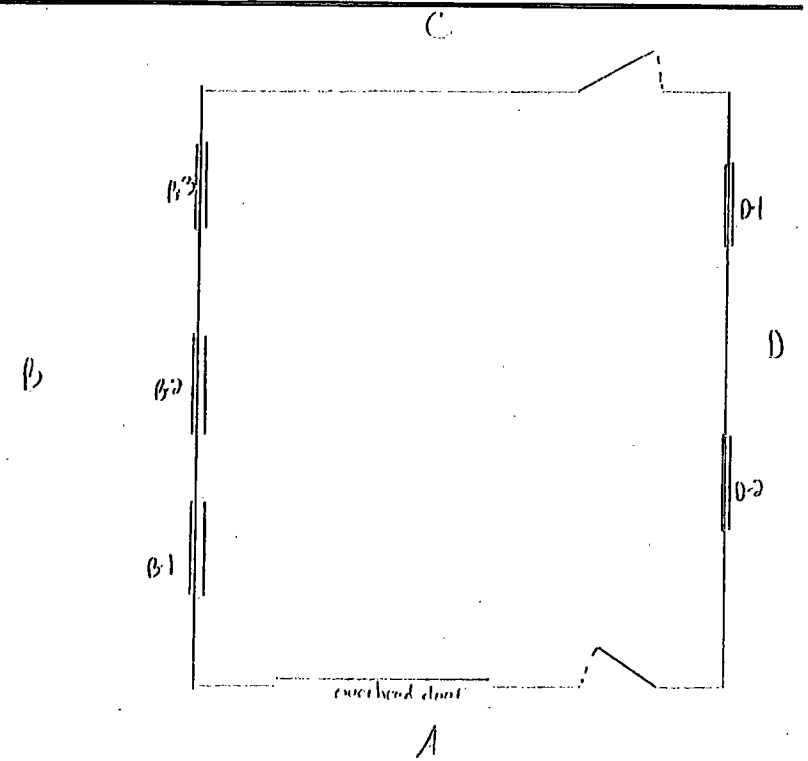
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 8
Old Coastal Oil Refinery

Drawing not to scale

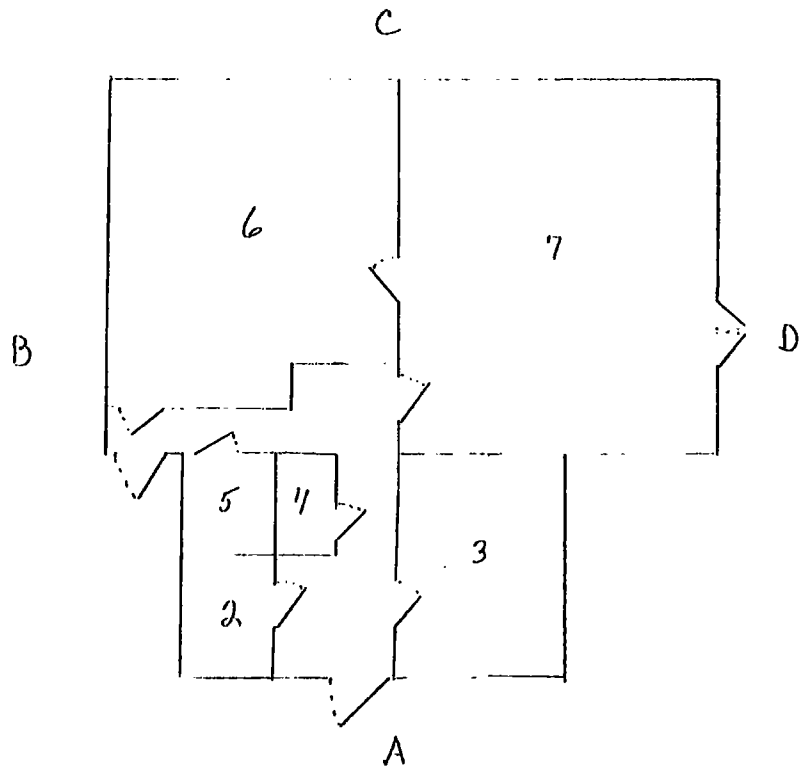
iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 9
Old Coastal Oil Refinery

Drawing not to scale

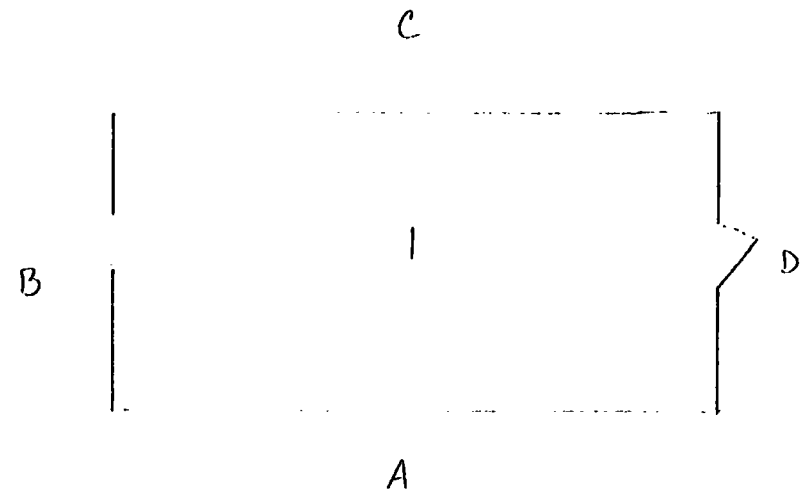
iSP environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 10
Old Coastal Oil Refinery

Drawing not to scale

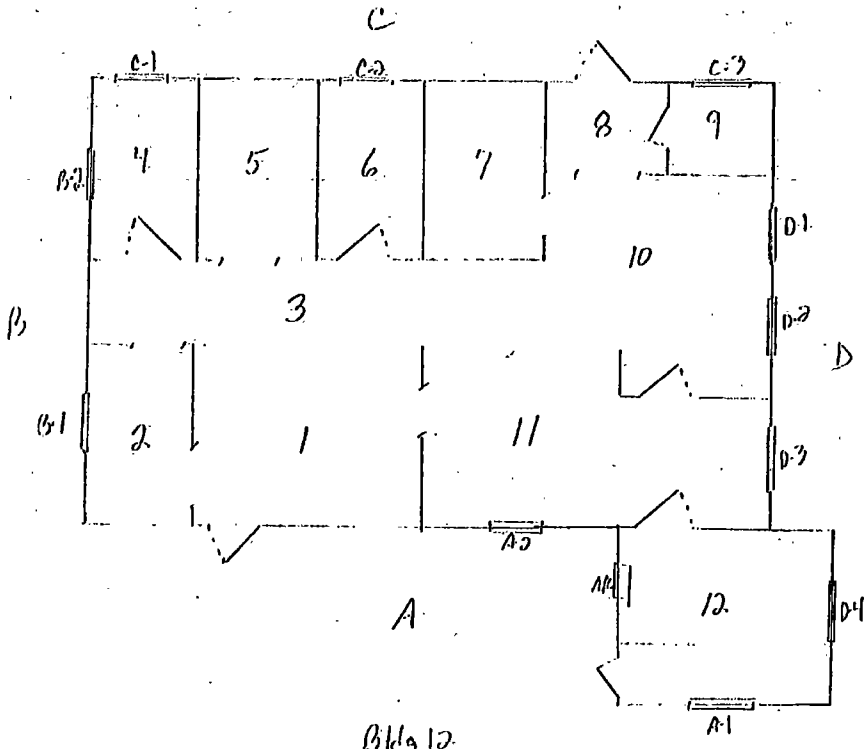
iSP environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 11
Old Coastal Oil Refinery

Drawing not to scale

iSi environmental services
215 South Laura
Phone: (316) 264-7050
Wichita, KS 67211
Fax: (316) 264-0709



Bldg 12
Old Coastal Oil Refinery

Drawing not to scale

APPENDIX E

EQUIPMENT MANUALS AND MATERIAL SPECIFICATIONS

MWH

WICHITA CONCRETE PIPE COMPANY

LETTER OF TRANSMITTAL

Date: 11/09/2010

To: RECON

From: Joseph Shreve

RE: WCP Job #10-0350
MPA Grading
El Dorado, KS.

COMMENTS:

Please review the following submittal documents carefully. We have noted any issues or changes below. Contact us if you have any questions.

We will schedule production for this project when approved documents have been returned.

Thank you,

Joseph Shreve
Wichita Concrete Pipe Co.
221 W. 37th ST. North
Wichita, KS. 67204
(Joes@wichitaconcretepipe.com)
316-838-8651 phone; 316-838-0838 fax

WICHITA CONCRETE PIPE COMPANY

Concrete Pipe • Precast Manholes • Storm Sewer Inlets • Junction Boxes • Specialty Items

LETTER OF CERTIFICATION

Project: **El Paso Merchant Energy**
MPA Grading, Sewer and Basin Design

Location: **El Dorado, Ks**

Requesting Agency: **City of El Dorado**

Contractor: **RECON**

Date: **11/9/10**

This is to certify that the precast concrete manholes for the above referenced project will meet or exceed ASTM C 478, Standard Specification for Precast Reinforced Concrete Manhole Sections.

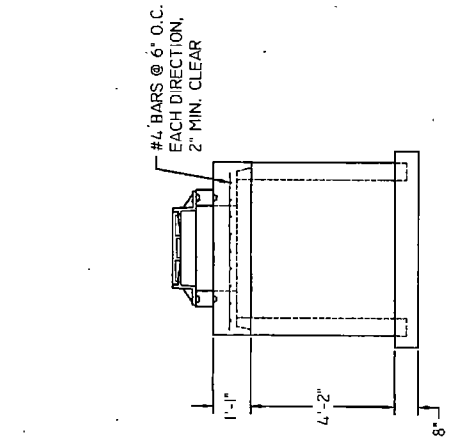
We further certify that the manholes will be fabricated utilizing Type I / II Cement. Certification to that effect will be provided at the time the manholes are produced.

Subscribed and sworn before me,
Tina Egnor, Notary public,
this 9 day of November, 2010.

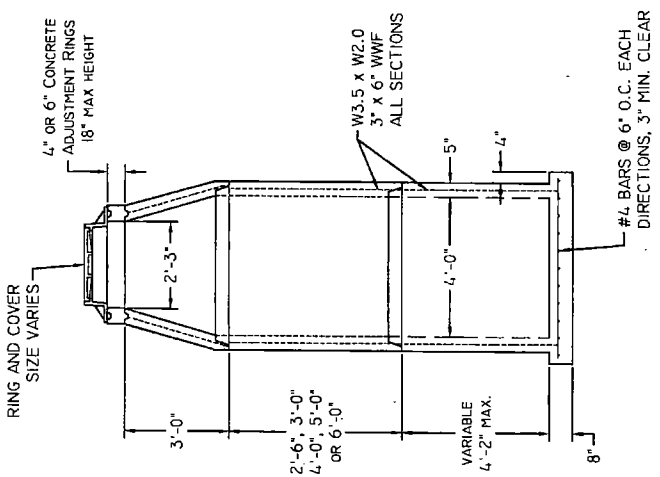
Respectfully submitted,
Wichita Concrete Pipe Co

NOTARY PUBLIC - State of Kansas
TINA EGNOR
My Appt. Exp. 7/24/2012

WCP Job# 10-0350



1. ALL MANHOLES MEET CURRENT ASTM C478 SPECIFICATIONS.
2. ALL REINFORCING IS GRADE 60 MINIMUM.
3. FOR ROUGH CUT OPENINGS, AN APPROVED WATER STOP GASKET AND NON-SHRINK GROUT MEETING MANHOLE SPECIFICATIONS WILL BE USED FOR PIPE TO MANHOLE CONNECTIONS.
4. FOR PREFORMED GASKET CONNECTION USE ALOK GASKETS AS MANUFACTURED BY A-LOK PRODUCTS, CORP.
5. JOINTS BETWEEN MANHOLE SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTENDED BUTYL RUBBER JOINT MASTIC MEETING MANHOLE SPECIFICATIONS



WICHITA CONCRETE PIPE COMPANY

Concrete Pipe · Precast Manholes · Storm Sewer Inlets · Junction Boxes · Specialty Items

SERIES S2S ACCESS DOOR

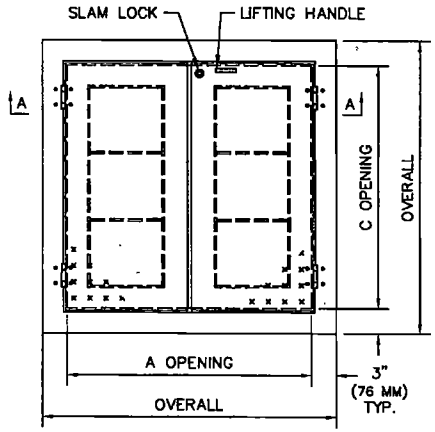
HALLIDAY PRODUCTS
www.HalldayProducts.com
Phone 800-298-1027
Fax 407-298-4534
Sales@HalldayProducts.com

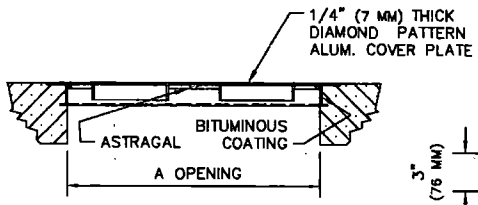
STANDARD FEATURES:

- AUTO-LOCK T-316 STAINLESS STEEL HOLD OPEN ARM WITH RELEASE HANDLE
- T-316 STAINLESS STEEL HINGES AND ATTACHING HARDWARE
- T-316 STAINLESS STEEL SLAM LOCK WITH REMOVABLE KEY
- STAINLESS STEEL COMPRESSION SPRING ASSIST
- BUILT-IN NEOPRENE CUSHION/GASKET
- NON-OZONE DEPLETING BITUMINOUS COATING
- DOUBLE LEAF CONSTRUCTION
- 300 LBS. PER SQ. FT. LOAD RATING (1464 KG. PER SQ. METER LOAD RATING)
- EXTRUDED ALUMINUM FRAME
- RECESSED LIFTING HANDLE
- LIFETIME GUARANTEE

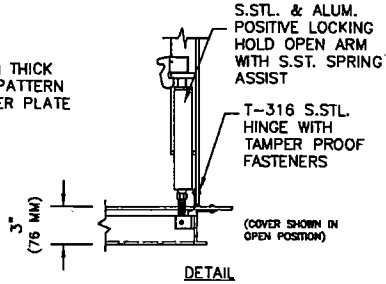
STANDARD SIZES

QTY.	MODEL NO.	A DIM. INCHES (MM)	C DIM. INCHES (MM)	UNIT WT. LBS. (KG.)
	S2S4242	42 (1067)	42 (1067)	93 (42)
	S2S4842	48 (1219)	42 (1067)	99 (45)
	S2S4848	48 (1219)	48 (1219)	110 (50)
	S2S5442	54 (1372)	42 (1067)	108 (49)
	S2S5448	54 (1372)	48 (1219)	119 (54)
	S2S5454	54 (1372)	54 (1372)	127 (58)
	S2S6030	60 (1524)	30 (762)	87 (39)
	S2S6036	60 (1524)	36 (914)	100 (45)
	S2S6042	60 (1524)	42 (1067)	115 (52)
	S2S6048	60 (1524)	48 (1219)	130 (59)
	S2S6054	60 (1524)	54 (1372)	143 (65)
	S2S6060	60 (1524)	60 (1524)	158 (72)
	S2S6636	66 (1676)	36 (914)	109 (49)
	S2S6648	66 (1676)	48 (1219)	141 (64)
	S2S7236	72 (1829)	36 (914)	116 (53)
	S2S7242	72 (1829)	42 (1067)	135 (61)
	S2S7248	72 (1829)	48 (1219)	151 (68)
	S2S7254	72 (1829)	54 (1372)	168 (76)
	S2S7260	72 (1829)	60 (1524)	178 (81)





SECTION A-A



DETAIL

PERFORMANCE STANDARD (continued)

RESILIENT TEST REQUIREMENTS OF A.S.T.M. C-923-00

TEST	RESULTS	ASTM METHOD
Chemical resistance 1 N Sulfuric acid 1 N Hydrochloric Acid	no weight loss no weight loss	at 22°C for 48h
Tensile strength	1200 psi or 8.5 MPa, min	D 412
Elongation at break	350% min.	
Hardness	±5 from mfg's. specified hardness	D 2240 (Shore A durometer)
Accelerated oven-aging	decr. of 15%, max. of original tensile strength, decr. of 20% max. of elongation	D 573, 70±1°C for 7 days
Compression set	decr. of 25%, max. of original deflection	D 395, Method B, at 70°C for 22h
Water absorption	increase of 10%, max. of original by weight	D 471, immerse 0.75 by 2-in. or 19 by 25-mm Specimen in distilled water at 70°C for 48h
Ozone resistance	rating 0	D 1171
Low-temp brittle point	no fracture at -40°C	D 746
Tear resistance	200 lbf/in. or 34 kn/m	D 624, Method B

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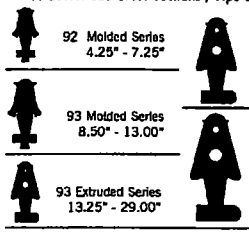
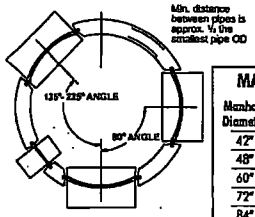
PART 6 • DIMENSIONAL DATA

A•LOK X-CEL Cross Sections / Pipe Size OD's





MAX. PIPE SIZE OD's

MAX. PIPE SIZE OD's

Manhole Diameter	135° - 225° Pipe Angle	90° Pipe Angle
42"	26.5"	22.0"
48"	31.5"	25.0"
60"	42.0"	32.0"
72"	52.5"	38.0"
84"	59.5"	44.0"
96"	73.5"	50.0"
108"	76.0"	56.0"
120"	85.0"	62.0"

PRODUCT SPECIFICATIONS

A flexible pipe to manhole connector shall be used whenever a pipe penetrates into a precast concrete manhole or structure. The connector shall be the **A•LOK X-CEL CONNECTOR** as manufactured by **A•LOK PRODUCTS, INC.**, Tullytown, PA, or approved equal.

The design of the connector shall provide a flexible, watertight seal between the pipe and concrete structure. The connector shall assure that a seal is made between:

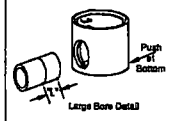
(1) The connector and the structure wall by casting the connector integrally with the structure wall during the manufacturing process in a manner that it will not pull out during pipe coupling. The connector shall also be capable of being cast into a round structure by curving the connector in a manner that allows it to remain centrally located within the structure wall and perpendicular to the pipe. This configuration will result in no loss of seal or deflection of pipe entering a concrete structure.

(2) The seal between the connector and the pipe shall be made by the compression of the connector between the outside circumference of the pipe and the interior hole opening of the structure. The connector shall be the only component to affect the seal between the pipe and structure.

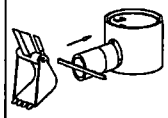
The connector shall be made from materials that conform to the physical and chemical requirements outlined in Section 4, *"Materials and Manufacture"* of ASTM C-923 Standard Specification for Resilient Connectors between Reinforced Concrete Manhole Structures, Pipes, and Laterals, and the overall design will meet or exceed Section 7, *"Test Methods and Requirements"* of ASTM C-923.

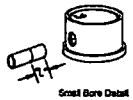
The connector shall be sized specifically for the type of pipe being used and shall be installed in accordance with the recommendations of the manufacturer.

INSTALLATION INSTRUCTIONS



Large Bore Detail





Small Bore Detail

STEP 1:
Confirm that the pipe surface is smooth, clean and free of foreign materials, chips, gouges and form seams due to manufacturing or handling. Slightly bevel any sharp or blunt edges caused by the cutting of the pipe.

STEP 2:
Lubricate the connector and the entire section of the pipe that will be inserted into the connector. The chart below lists A-LOK's minimum lubrication length "L".

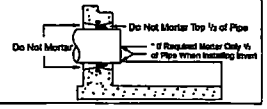
PIPE SIZE	MIN. LUBRICATION LENGTH "L"
4" - 15"	15"
18" - 18"	18"
21" & Larger	21"

STEP 3:
Center the pipe and connector square to each other and insert the pipe into the connector using a bar or back hoe depending on the size. Once the pipe is coupled with the connector, deflect the structure or pipe to achieve the proper angle.

WARNING
To ensure the A-LOK X-CEL Connector remains a flexible watertight connector, it is A-LOK Products, Inc. strong recommendation that no mortar be placed between the pipe and wall of the concrete structure. The use of mortar in this area would decrease the effectiveness of the connector to compensate for shear caused by settlement or ground movement.

NOTE:
To find approximate subgrade, measure from the outside base of the structure to the junction of the connector and flat spot. Then add the wall thickness of the pipe plus 1/4 inch.

CAUTION:
When installing pipe stubs for future pipeline installation, all stubs must be properly restrained to prevent any movement by means other than the A-LOK X-CEL Connector.



A•LOK PRODUCTS INCORPORATED P.O. BOX 1647 • 697 Main Street • Tullytown, PA 19007 • www.a-lok.com • email: info@a-lok.com
800-822-2565 • 215-547-3366 • 215-547-5260 FAX

A•LOK® PRODUCTS, INC. The Company With Connections

697 Main Street • P.O. Box 1647 • Tullytown, PA 19007 • Toll Free: 1.800.822.2565 • Phone: 1.215.547.3366 • Fax: 1.215.547.5260 • www.a-lok.com

July 27, 2009

Re: Product Information

Please be aware that all of our rubber connectors are manufactured in the A-LOK Products, Inc. facility located at 697 Main Street, Tullytown, PA, US or the Vertex facility located at 3956 Mogadore Industrial Parkway, Mogadore, OH, US.

If you have any other questions or need assistance in any way, please don't hesitate to contact us.

Thank you,

Wally Swiger
Sales Manager
A-LOK Products, Inc.

A•LOK PRODUCTS, INC.

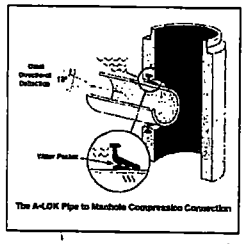
The Company With Connections

INCOMPARABLE PIPE-TO-MANHOLE CONNECTIONS

X-CEL

A•LOK X-CEL

Designed to produce a guaranteed watertight seal between pipe and concrete, the **A•LOK X-CEL** flexible pipe-to-manhole connector provides maximum performance on the job site. Its unique design not only saves valuable project time, but also ensures longevity and offers unsurpassed environmental benefits.



The A-LOK Pipe to Manhole Compression Connection

A•LOK X-CEL connectors prevent infiltration and ex-filtration into wastewater or stormwater systems, and are installed in the precast structure in a way that does not require coring or placement after the base component is cast. This eliminates residual waste from coring, disposal of the slugs or wasted raw material utilization or energy. Once cast-in, the connector becomes an integral component of the structure wall.

Based on the traditional **A•LOK** connector, the **X-CEL's** enhanced features improve performance. Take the patented "water pocket" for example, which utilizes the untapped pressure of ground water to exert a clamping force around the connector and pipe, allowing the connector to perform in deeper installations.

Demonstrated in tests higher than 15 psi of hydrostatic water pressure, the **X-CEL's** unique design provides 45 percent more rubber contact with the pipe, allowing for greater pipe deflection.

MATERIAL

Molded or extruded from compounds formulated for wastewater applications and engineered to conform to the requirements of section 4.1.1 of ASTM C-923, the standard rubber connector is available in alternative compounds upon request. Contact an **A•LOK** representative regarding special applications, such as the presence of hydrocarbons.

KEY ADVANTAGES

The **A•LOK X-CEL** offers distinct advantages for engineers, specifiers, precasters and municipalities. An enhanced profile gives the connector 45% greater rubber contact with the pipe, thus allowing the pipe to be deflected in excess of 10 degrees of omnidirectional deflection, all the while maintaining a watertight seal. These enhancements allow for more flexibility to compensate for pipe shear due to settlement or ground movement.

KEY ADVANTAGES (continued)

On larger-diameter pipe, where size prohibits a gasket from being installed in a flat plane, the **X-CEL** can be configured for casting in a curve with the connector staying perpendicular to the center line of the pipe. Discovered through years of extensive research and development, the configurations cause no loss of compression or deflection.

Functioning on pure compression, the **X-CEL** allows for fast and easy field installation. After the connector and pipe are cleaned and lubricated, the pipe is simply centered in the connector and inserted. Backfilling can be done immediately, thus enhancing project safety and overcoming the typical problems of water, running sand and other unstable trench conditions.

For Specifiers, the **X-CEL** connector offers a guaranteed solution to the age-old containment system problem of the best way to connect pipes and concrete structures. Precasters using **X-CEL** connectors experience increased satisfaction due to their ability to offer a complete watertight, guaranteed product, while municipalities that install **X-CEL** will ultimately spend less on road repair by avoiding the possibility of pot/sink holes that are often the result of leaking, non-connected, systems.

PRODUCT REFERENCES

A.) ASTM C-923-00
Resilient Connector Between Reinforced Concrete Manholes Structures, Pipe and Laterals.

B.) ASTM C-1244-00
Standard Test Method For Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test

C.) ASTM C-478C
Standard Specification for Precast Reinforced Concrete Manhole Sections

PERFORMANCE STANDARD

The A•LOK X-CEL guaranteed Connector meets or exceeds all material and test requirements outlined in ASTM C-923: *"Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes and Laterals."*

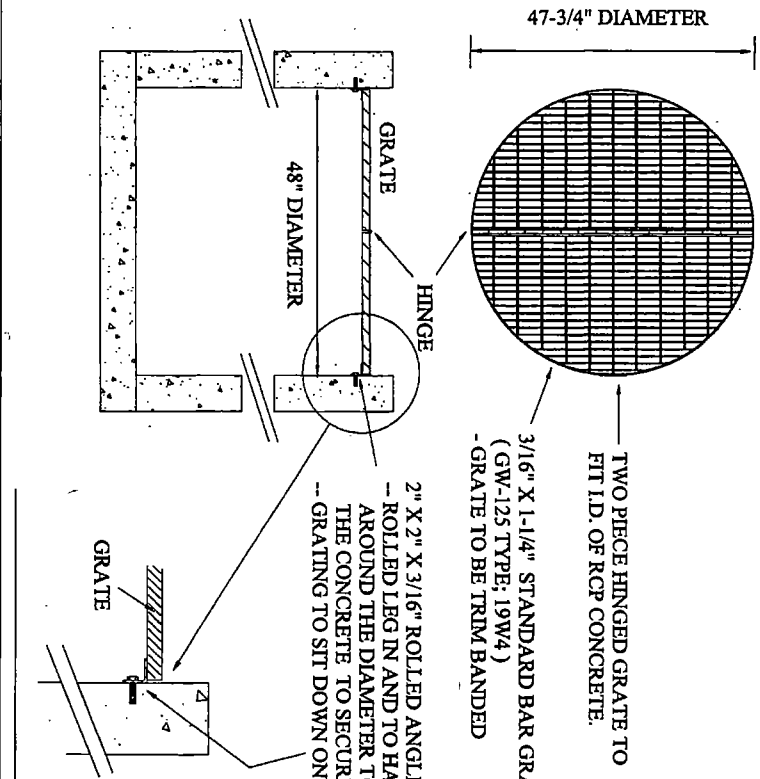
Molded or extruded from compounds formulated for wastewater applications, the standard rubber connector is engineered to confirm with the requirements of section 4.1.1 of ASTM C-923. Alternative compounds are available upon special request.

TO: WICHITA CONCRETE PIPE
ATTN: JOE

K & B STEEL
11-5-2010

PED. LOAD (300 PSF MIN.)
HOT DIP GALVANIZED

48" DIAMETER FRAME &
TWO PIECE HINGED GRATE



A-LOK® PRODUCTS, INC.

THE COMPANY WITH CONNECTIONS®

P.O. BOX 1647 • 697 MAIN STREET • TULLYTOWN, PA 19007

May 12, 2004

A-lok Products, Inc. provides Material Safety Data Sheets (MSDS) upon request to all customers. However, it may be important to note that many, if not all of A-LOK's products are considered to be finished articles as defined by OSHA's standard, 29 CFR 1910.1200(c) and do not require that a Material Safety Data Sheet be produced as stated in 29CFR 1910.1200(b)(6)(v).

This section does not apply to:

1910.1200(b)(6)(v)

Articles (as that term is defined in paragraph (c) of this section);

1910.1200(c)

"Definitions."

"Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.

Under this definition, all gaskets, step and lift pin inserts, Dura-Plate Liner, and fiberglass and steel hole formers meet OSHA's definition.

In the event that one of A-LOK's products meets the definition of a finished article, the Material Safety Data Sheets of the raw materials will be provided, upon request, to give our customers and their employees' additional information that may be helpful in enhancing their safety and health efforts.

If there is ever a concern with any of A-LOK Products. Inc.'s products, please contact Joseph Glowaski, A-LOK's Safety and Health Director.

Respectfully:

James A. Westhoff

James A. Westhoff
President

Phone: (800) 822-2565 • (215) 547-3366 • Fax: (215) 547-5260 • E-mail: info@a-lok.com • http://www.a-lok.com

A-LOK PRODUCTS, INC. The Company With Connections

697 Main Street • P.O. Box 1647
Tullytown, PA 19007
Toll Free: 1.800.822.2565
Phone: 1.215.547.3366
Fax: 1.215.547.5260
www.a-lok.com

Certificate of Conformance

Date: 09/08/10

Wichita Concrete Pipe Co.
221 West 37th St. North
Wichita, KS 67204
Attention: Mr. Joseph Shreve

Dear Mr. Joseph Shreve,
This is to certify that the product listed below conforms to the following specifications.

Product: A-LOK X-CEL pipe to manhole connectors

Performance: These Connectors meet the requirements of C-923-02, C-1478-06

Resilient Test Requirements of ASTM C-923-02, C-1478-06:

TEST	RESULTS	ASTM METHOD
Chemical resistance		
1 N Sulfuric acid	No weight loss	At 22°C for 48h
1 N Hydrochloric acid	No weight loss	
Tensile strength	1200 psi or 8.5 MPa, min	D 412
Elongation at break	350% min.	
Hardness	+/- 5 from mfg's. specified hardness	D 2240 (Shore A durometer)
Accelerated oven-aging	Decrease of 15% max. of original tensile strength, decrease of 20% max. of elongation	D 573, 70+/- 1°C for 7 days
Compression set	Decrease of 25% max. of original deflection	D 395, Method B, at 70°C for 22h
Water absorption	Increase of 10%, max. of original by weight	D 471, immerse 0.75 by 2-in. or 19 by 25-mm specimen in distilled water at 70°C for 48h
Ozone resistance	Rating 0	D 1171
Low-temp brittle point	No fracture at -40°C	D 746
Tear resistance	200 lbf/in. or 34 kn/m	D 624, Method B

Sincerely,

Jim Kelly

Jim Kelly
Research & Development Director

WILKO PAINT, Inc.

WICHITA, KANSAS 67204-0089

MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

POST OFFICE BOX 4089 • 2727 OHIO • PHONE (316)838-4288 • FAX(316)838-6328

WILKOPON HB GRAY
WILKO NO. 332.98

PRODUCT DESCRIPTION: No. 332.98 Wilkopon HB Gray is a two - component epoxy polyamide coating that has good moisture, chemical and abrasion resistance, good hardness and excellent adhesion to steel and concrete. It provides excellent protection in chemical spillage areas.

TYPICAL USES: Recommended as a coating for structural steel, exterior of storage tanks, concrete floors, shower and locker rooms, and miscellaneous equipment in chemical, refinery and sewage treatment facilities. It is an ideal intermediate coat in high build epoxy or zinc rich systems.

GENERIC TYPE: Epoxy-Polyamide

COLOR: Gray

FINISH: Semi-Gloss

COMPONENTS: Two

MIXING RATIO: One volume No. 332.98 to one volume No. 332.98B Activator.

WEIGHT PER GALLON: 10.4 + .5 lbs (mixed)

VOC: 3.2 lbs (mixed)

SOLIDS BY VOLUME: 54.9 + 1.0% (mixed)

COVERAGE: @ 1 mil DFT
Theoretical - 880 sq. ft./act. gal.
Practical - 704 sq. ft./act. gal.

RECOMMENDED DRY FILM PER COAT: 4.0-6.0 mils

DRYING TIME: To Touch: 2 hours
@ 77°F To Recoat: 8 to 12 hours

POT LIFE: 8 - 10 hours @ 77oF. Additional thinning may be necessary after 8 hours.

APPLICATION: Airless Spray is recommended for maximum film build. Use a high volume output pump and a tip of 19 or larger.

THINNER: No. 1, No. 13 or No. 100 Thinner. Use No. 71 Thinner for maximum pot life. Do not use more than 11 ounces of thinner to keep VOC level below 3.5#/gal. Adding 25 ounces of thinner will increase the VOC to 3.8#/gal.

TEMPERATURE RESISTANCE: 200°F continuous, dry

CLEAN UP THINNER: No. 71 or MEK

RECOMMENDED SUBSTRATE: Steel or Concrete

RECOMMENDED PRIMERS: May be applied directly to properly cleaned steel or properly prepared concrete. For additional corrosion resistance use No. 349-08 Primer Organic Zinc Rich or No. 859-06 Primer Inorganic Zinc Rich Primer. For concrete, use 342-45 for added adhesion

RECOMMENDED TOPCOATS: Topcoat with epoxy or urethane coatings only. Latter is recommended for maximum gloss retention.

SURFACE PREPARATION:
Steel: Surface must be clean and dry, free from oil, grease, wax or other contaminants. he use of chemical cleaning or pretreatment (e.g., phosphatizing) will help improve the adhesion and will enhance the overall properties of the coating, and is highly recommended. For most industrial applications, this multi - stage surface preparation is adequate. When coating newly fabricated steel, or if heavy mill scale, rust, or loose paint is present on existing structures, clean the parts by mechanical means. All sharp edges must be rounded and weld splatter must be removed prior to cleaning. Hand, power tool or SP6 Blast Cleaning will afford minimum protection. For maximum protection of steel surface, dry abrasive blast to a Commercial Blast Finish in accordance with SSPC-SP6-63 Apply. prior to development of any surface rust. An appropriate primer should be used when coating sandblasted steel.
New Concrete: New concrete must cure for a minimum of 30 days prior to coating. After this period the only surface preparation necessary is etching. This can be accomplished with an acid solution. After applying acid the reaction residues must be removed by using fresh water and a squeegee. Allow floor to dry thoroughly, sweep or vacuum to remove any/all powdery residue, and apply first coat of material.
Old Concrete: Surface must be free of dirt and oily contaminants. If painted, check for compatibility before applying, and if needed, old paint must be stripped. Etch surface as described in the preceding paragraph.
NOTE: Refer to "Coating Concrete" Brochure for more in-depth surface preparation.

EQUIPMENT REQUIRED:
Conventional Spray:
1. Pressure pot with a dual regulator.
2. Spray gun such as DeVilbiss MBC with an AV-601 EX fluid tip, 496 DEX needle and a 704 or 64 air cap. As an alternate, a Binks No. 18 heavy duty spray gun with a 66 PB nozzle.
3. A 25-50 foot length of fluid hose - ½ inch ID minimum.
4. A 25 - 50 foot length of air hose - ½ inch ID minimum.
5. A minimum 75 PSI continuous air supply to each spray gun.

Airless Spray:
1. Airless spray equipment with pump ratio of 28:1 or 30:1.
2. Airless spray tip with orifice diameter of 0.017 or larger should be used.

continued on page 2

APPLICATION PROCEDURE:
1. Separately mix base and activator until uniform, then mix equal volumes of each. Allow mixture to stand for at least 30 minutes before using.
2. Reduction:
   Conventional Spray - Thin up to 25% with appropriate thinner (refer to previous section for recommended thinner). Airless Spray - May apply without any thinning at 70-85oF. In cooler temperatures, or with smaller airless units, thin up to 10% with appropriate thinner. CAUTION: VOC will be affected by thinner addition – refer to *Recommended Thinner*, above.
3. Apply one tack coat and follow with one full wet coat. Hold gun 8-10 inches from the surface and overlap each pass 25% to avoid holidays.
4. If the ambient temperature exceeds 85°F, thin with No. 100 to avoid dry spray. Do not apply if the surface temperature is less than 5° above the dew point. Do not use below 40°F.
5. Allow coating to cure 3-5 days at 77oF before placing into service. Applicators should be made aware, especially during cooler temperatures, that this material will require 12-16 hours curing time, at 77oF for recoating, and that during this period the film is extremely vulnerable to moisture and moisture laden contaminants. The schedule for painting must be planned to include the application of material early enough to provide for at least partial cure prior to lower nighttime temperatures and the possibility of dew point conditions. Curing rates are accelerated by heat and are retarded by lower temperatures. Drying rates are based on 75° F. As a rule of thumb, for every 18o above 75° F, the curing rate will accelerate by approximately 100%. For every 18° below 75°F, curing rate is retarded by approximately 100%. The premature failure of fine coating systems is often experienced because of failure to acknowledge the facts related to low temperature application.

The porous nature of zinc often causes pinholes or bubbling of the Intermediate (Tie) Coat. To eliminate bubbling of the first coat, apply a wet mist coat over surface area, allowing a short interval for solvent to escape. Follow with full wet coat, or apply a tie coat that has been reduced by 50% or more. This Tie Coat will penetrate the porous structure displacing trapped air and providing a sealed substrate for succeeding topcoat. Tie Coat should be applied to provide 3.0-5.0 mils dry film, depending on the topcoat and exposure.

RESISTANCE PROPERTIES:
Water: Excellent immersion resistance to fresh, salt and seawater.
Salt: Resists spillage and splash by most alkaline salt solutions in atmospheric exposures at temperatures up to 200°F.
Alkali: Resists temporary exposure to fumes splash and/or spillage of concentrated solutions at temperatures up to 150°F.
Acid: Resists fumes of non-oxidizing acids.
Alcohol: Accepts the spillage of isopropyl, ethyl and butyl alcohols.
Sewage: Excellent resistance to wastewater, sewage and sewer gas.
Petroleum Distillate: Resists splash and/or spillage of gasoline, sour crude, diesel fuel, jet fuel and lubricating oil.
Adhesion: Excellent to properly prepared steel or zinc rich coated surfaces.
Weather Exposure: Will not check, crack or craze after long or severe exposure.
Chalking: Early surface chalking will occur under exterior exposure, and is a condition inherent with polyamide or amine catalyzed epoxy coatings.

FIRST AID: If inhaled, remove to fresh air. If not breathing, administer artificial respiration, preferably mouth to mouth. In case of any contact with eyes, flush with plenty of water for 15 minutes and secure medical attention.

PRECAUTION: Not intended for general consumer use. This product is flammable and can cause skin and eye irritations. Keep away from sparks, heat and open flames. Avoid contact with eyes, skin and clothing. Use with adequate ventilation and avoid prolonged breathing of vapors. Wear an air-supplied mask to avoid breathing concentrated vapors in enclosed areas. Keep the container closed. For additional safety information, refer to Material Safety Data Sheets.

WILKO PAINT, Inc.

WICHITA, KANSAS 67204-0089

MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

POST OFFICE BOX 4089 • 2727 OHIO • PHONE (316) 838-4288 • FAX (316) 838-6328

STATEMENT OF ORIGIN

I certify that the goods listed below were manufactured by Wilko Paint, Inc. In the U.S.A:

332.98A Wilkopon Light Gray Part A
332.98B Wilkopon Activator Part B
336.28 Wilkopon Coal Tar with 336.28B Activator
456.09 Black Top Water Repellant

Signed

3/1/10

Ignacio Javier
Exec VP/TD
Wilko Paint, Inc.
2727 Ohio St.
Wichita, KS 67226

WILKO PAINT, Inc.

WICHITA, KANSAS 67204-0089

MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

POST OFFICE BOX 4089 • 2727 OHIO • PHONE (316)838-4288 • FAX(316)838-6328

BLACK TOP WATER REPELLANT COATING
WILKO No. 456-09

PRODUCT DESCRIPTION: No.456-09 Black Water Repellant is a siliconized asphalt coating that imparts water impermeability to wood and masonry. It provides corrosion protection when applied to ferrous surfaces.

PRINCIPAL USE: As an economical coating to protect storage tanks, vessels, structural steel, etc. from moisture and corrosion. It is also used as a coating for radiators and similar objects, and for coating the exterior of steel and concrete pipes for underground installations. It may also be used as undercarriage coating for vehicles, trailers and similar applications. This coating will bleed if topcoated with other than black.

ALTERNATIVE PRODUCT: For better water resistance and corrosion protection, use 336-07 Wilkopon Coal Tar Epoxy, which will provide better protection due to its excellent im- permeability to water and improved chemical resistance. For a single component alternative, use 090-32 Undercoater. These two products can be applied at higher film build for maximum barrier properties.

COLOR:	Black
WEIGHT PER GALLON:	7.0 lbs.
VOLATILE ORGANIC COMPOUNDS:	4.7 lbs.
SOLIDS BY VOLUME:	23.3%
COVERAGE:	@ 1 mil dry *Theoretical* - 412 square feet per gallon *Practical* - 328 square feet per gallon
RECOMMENDED DRY FILM PER COAT:	2-3 Mils
DRYING TIME:	@ 77°F *To Touch:* 10 to 2 minutes *To handle:* 30 to 60 minutes *To Recoat:* Anytime
RECOMMENDED THINNER:	No.2 or No. 10
CLEAN UP THINNER:	No. 10 or Xylol

RECOMMENDED PRIMER: Apply directly to surfaces to be protected. It may be applied over epoxy primers such as Wilko #342-22.

SURFACE PREPARATION: Surface must be clean and dry, free from oil, grease, wax or any other contaminants. For maximum protection of steel surfaces, dry abrasive blast to a Commercial Blast Finish in accordance with SSPC-SP6-63. Apply prior to development of any surface rust. Concrete must be clean and dry, and at a minimum surface temperature of 50°F for proper cure. Moisture trapped in the concrete may result in early failure in the form of blistering or loss of adhesion. For best results, concrete must be allowed to cure 28 days prior to application.

APPLICATION EQUIPMENT:
Mix contents until homogenous, then thin as needed. Refer to *Recommended Thinner*, above, for reduction amounts.

1. *CONVENTIONAL SPRAY:* Apply with industrial equipment, such as DeVilbiss MBC or JGA spray gun with No. 78 or 765 Air cap, E fluid tip and needle, or Binks18 or 62 spray gun, and a pressure pot with mechanical agitator. A moisture and oil trap in the main air supply line is required.
2. *AIRLESS SPRAY:* Use a high output airless equipment, such as Graco Bulldog Hydra-Spray or larger, with a .011 - .017 inch fluid tip and tip pressure of 2400 psi.
3. *BRUSH OR ROLLER:* Use high quality roller covers and brushes to obtain a smooth finish and minimize lap marks. If necessary, thin with No. 10 thinner; do not overthin to avoid sagging.
4. For best results, use at temperature of 65°F or above. Do not apply when surface or ambient temperature is anticipated to drop below 50°F in 24 hours. Do not apply to damp surfaces, and surface temperature must be 5°F above the dew point for 24 hours to prevent moisture condensation, which might result in water spotting and poor film integrity.

FIRST AID: If inhaled, remove to fresh air. If not breathing, administer artificial respiration, preferably mouth to mouth. In case of any contact with eyes, flush with plenty of water for 15 minutes and secure medical attention.

PRECAUTION: Not intended for general consumer useThis product is flammable and can cause skin and eye irritations. Keep away from sparks, heat and open flames. Avoid contact with eyes, skin and clothing. Use with adequate ventilation and avoid prolonged breathing of vapors. Wear an air-supplied mask to avoid breathing concentrated vapors in enclosed areas. Keep the container closed. For additional safety information, refer to Material Safety Data Sheets (MSDS).

05/05/05

CONCRETE
SEALANTS INC.
PO Box 176 - New Carlisle, Ohio 45344
Telephone (937) 845-8776 - 1-800-332-SEAL(7325) - Fax (937) 845-3587
Internet Site: http://www.conseal.com
E-Mail: hello@conseal.com

Certificate of Conformance

Date: October 16, 2008

Wichita Concrete Pipe Co. Inc.
221 W. 37th St. North
Wichita, KS 67204
Attention: Ty Lambky

Dear Ty Lambky:

This is to certify that the material listed below conforms to the following specification. The material meets or exceeds the listed perfomance requirements.

Product: ConSeal CS-102 Butyl Sealant

Performance: Testing of this product meets the requirements set forth in ASTM C-990 section 10.1.

Specifications: This product meets or exceeds the requirements of Federal Specification SS-S-210 (210A), AASHTO M198B, and ASTM C-990-91

Chemical Composition and Properties:

Hydrocarbon blends % by weight(ASTM D4):	50% min.
Inert mineral filler % by weight (SS-S-210A):	30% min.
Volatile matter % by weight (ASTM D6):	0% - 2%
Specific Gravity (ASTM D71)	1.15 - 1.40
Ductility (ASTM D113)	5.0 min.
Softening point (ASTM D36)	320° min.
Penetration @ 77° (ASTM D217)	50 - 120 dmm

Sincerely,

Tim Frazier

Tim Frazier
Technical Director

PRODUCT SPECIFICATIONS

CONSEAL CS102

Concrete Sealants inc.

Butyl Rubber Sealant For All Precast Structures; Meets Specs.

APPLICATIONS

For self-sealing joints in: Manholes, Concrete Vaults, Septic Tanks, Concrete Pipe, Box Culverts, Utility Vaults, Burial Vaults, and Vertical Panel Structures.

SEALING PROPERTIES

- Provides permanently flexible watertight joints.
- Low to high temperature workability: 30°F to 120°F (-1°C to 48°C)
- Rugged service temperature: -30°F to +200°F (-34°C to +93°C)
- Excellent chemical and mechanical adhesion to clean, dry surfaces.
- Sealed Joints will not shrink, harden or oxide upon aging.
- No priming normally necessary. When confronted with difficult installation conditions, such as wet concrete or temperatures below 40°F (4°C), priming the concrete will improve the bonding action. Consult Concrete Sealants for the proper primer to meet your application.

HYDROSTATIC STRENGTH

ConSeal CS-102 meets the hydrostatic performance requirement as set forth in ASTM C-990 section 10.1 (Performance requirement: 10psi for 10 minutes in straight alignment – in plant, quality control test for joint materials.)

SPECIFICATIONS

ConSeal CS-102 meets or exceeds the requirements of Federal Specification SS-S-210 (210-A), AASHTO M-198B, and ASTM C-990-91.

P.O. Box 176, New Carlisle OH, 45344 • 937.845.8776 or 800.332.7325
FAX 937-845-3587 • www.conseal.com

PRODUCT SPECIFICATIONS

CONSEAL™ CS102

Concrete Sealants INC.

Butyl Rubber Sealant For All Precast Structures; Meets Specs.

PHYSICAL PROPERTIES

	Spec	Required*	CS 102
Hydrocarbon blend content % by weight	ASTM D4 (mod.)	50% min.	51%
Inert mineral filler % by weight	AASHTO T111	30% min.	35%
Volatile Matter % by weight	ASTM D6	2% max.	1.2
Specific Gravity, 77°F	ASTM D71	1.15-1.50	1.25
Ductility, 77°F	ASTM D113	5.0 min.	10
Penetration, cone 77°F, 150 gm. 5 sec.	ASTM D217	50-100	55-60
Penetration, cone 32°F, 150 gm. 5 sec.	ASTM D217	40 mm	40-65
Flash Point, C.O.C., °F	ASTM D92	350°F min.	450°F
Fire point, C.O.C., °F	ASTM D92	375°F min.	475°F

IMMERSION TESTING

- 30-Day Immersion Testing: No visible deterioration when tested in 5% Caustic Potash, 5% Hydrochloric Acid, 5% Sulfuric Acid, and 5% saturated Hydrogen Sulfide. *
- One Year Immersion Testing: No visible deterioration when tested in 5% Formaldehyde, 5% Formic Acid, 5% Sulfuric Acid, 5% Hydrochloric Acid, 5% Sodium Hydroxide, 5% Hydrogen Sulfide and 5% Potassium Hydroxide.
- Requirements of ASTM C-990 Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants.

LIMITED WARRANTY
This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

P.O. Box 176, New Carlisle OH, 45344 • 937.845.8776 or 800.332.7325
FAX 937-845-3587 • www.conseal.com

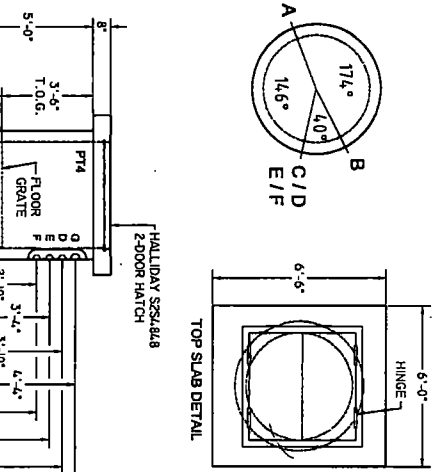
CUSTOMER RECON
PROJECT MPA GRADING
DATE 11/05/2010
JOB # 10-0350

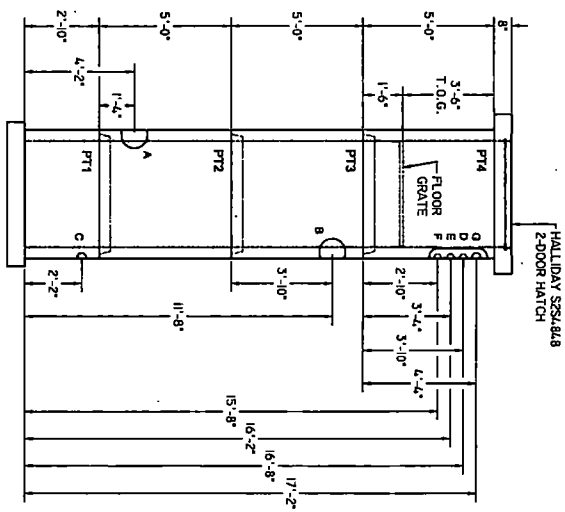
CITY EL DORADO, KS.
STORM / SANITARY STORM

SERIAL # 10-0350-MH1
STA- WET WELL

48" MH

FOR SUBMITTAL ONLY





TOP ELEVATION:	100.00	FLOW LINES			
TOP OF BASE:	81.50	A= 12	FL=	85.15	X= 50
INVERT:	0.00	B= 12	FL=	92.70	X= 140
DIFFERENCE:	18.50	C= 4	FL=	83.50	X= 26
		D= 3	FL=	98.06	X= 200
CONE / FLAT TOP:	0.67	E= 3	FL=	97.50	X= 194
ADJUSTMENT:	0.00	RISERS			
CASTING:	0.00	3	5.0	OTHER:	
DIFFERENCE:	17.83		4.0		
OPTIONAL ITEMS			3.0	BASE VAR:	2.83
FS1-PF STEPS:	NO		2.5	34"	2'-10"
2 COATS GREY INSIDE	YES	NOTE:			
BLACK WATER REPEL	YES	FLOW LINES:			
ALOK GASKETS	YES	F=3, FL=97.00, X=188			
PCK ___ PPCK ___		G=4, FL=98.50, X=206			
TAG					
REVISION DATE					
APPROVAL					

THE VIEW BELOW AND TO THE LEFT IS FOR PRODUCTION USE ONLY.
THE PRODUCT IS POURED UPSIDE DOWN.

WICHITA CONCRETE PIPE COMPANY
Concrete Pipe • Precast Manholes • Storm Sewer Inlets • Junction Boxes • Specialty Items

Limited Warranty Policy

Great Plains Industries, Inc. 5252 E. 36th Street North, Wichita, KS USA 67220-3205, hereby provides a limited warranty against defects in material and workmanship on all products manufactured by Great Plains Industries, Inc. This product includes a 1 year warranty. Manufacturer's sole obligation under the foregoing warranties will be limited to either, at Manufacturer's option, replacing or repairing defective Goods (subject to limitations hereinafter provided) or refunding the purchase price for such Goods theretofore paid by the Buyer, and Buyer's exclusive remedy for breach of any such warranties will be enforcement of such obligations of Manufacturer. The warranty shall extend to the purchaser of this product and to any person to whom such product is transferred during the warranty period.

The warranty period shall begin on the date of manufacture or on the date of purchase with an original sales receipt. This warranty shall not apply if:

A. the product has been altered or modified outside the warrantor's duly appointed representative;
B. the product has been subjected to neglect, misuse, abuse or damage or has been installed or operated other than in accordance with the manufacturer's operating instructions.

To make a claim against this warranty, contact the GPI Customer Service Department at 316-686-7361 or 888-996-3837. Or by mail at:

Great Plains Industries, Inc.
5252 E. 36th St. North
Wichita, KS, USA 67220-3205

The company shall, notify the customer to either send the product, transportation prepaid, to the company at its office in Wichita, Kansas, or to a duly authorized service center. The company shall perform all obligations imposed on it by the terms of this warranty within 60 days of receipt of the defective product.

GREAT PLAINS INDUSTRIES, INC., EXCLUDES LIABILITY UNDER THIS WARRANTY FOR DIRECT, INDIRECT, INCIDENTAL AND CONSEQUENTIAL DAMAGES INCURRED IN THE USE OR LOSS OF USE OF THE PRODUCT WARRANTED HEREUNDER.

The company herewith expressly disclaims any warranty of merchantability or fitness for any particular purpose other than for which it was designed.

This warranty gives you specific rights and you may also have other rights which vary from U.S. state to U.S. state.

Note: In compliance with MAGNUSON MOSS CONSUMER WARRANTY ACT – Part 702 (governs the resale availability of the warranty terms).

5252 East 36th Street North
Wichita, KS USA 67220-3205
TEL: 316-686-7361
FAX: 316-686-6745

GREAT PLAINS INDUSTRIES, INC.
"A Great Plains Ventures Subsidiary"
www.gpimeters.net
1-888-996-3837

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Printed in U.S.A. 02/10

Rev. A 920786-02

SAVE THESE INSTRUCTIONS

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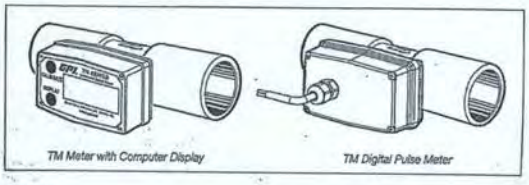
TM Series Electronic Water Meters

CE

User Manual



TM Meter with Computer Display — TM Digital Pulse Meter

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ENGLISH

IMPORTANT NOTICE

Use TM Series meters with water and other chemicals compatible with wetted components. Do not use to meter fuel or incompatible chemicals. TM Series meters are available with either a computer for local electronic display, or a conditioned signal output module to provide a digital signal to customer interfacing equipment. TM Series meters with computer display measure in gallons or litres. Refer to the Calibration Section for details.

These meters are not legal for trade applications.

TM Series meters are very sensitive to electric noise if operated within 1 to 2 inches of some electric motors or other sources of electronic noise.

TM-150

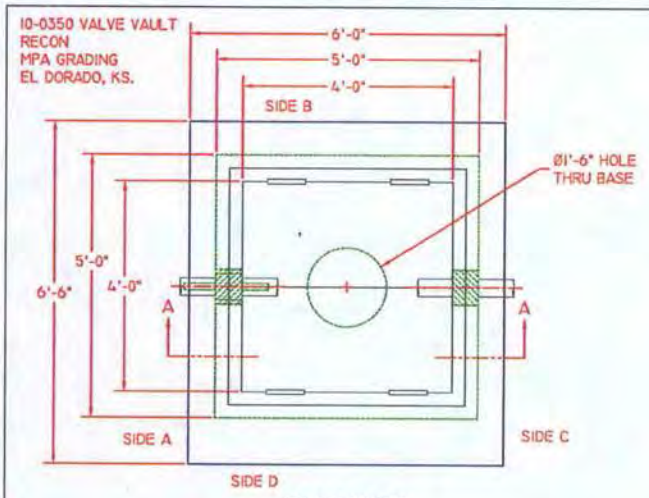
INSTALLATION

Connections

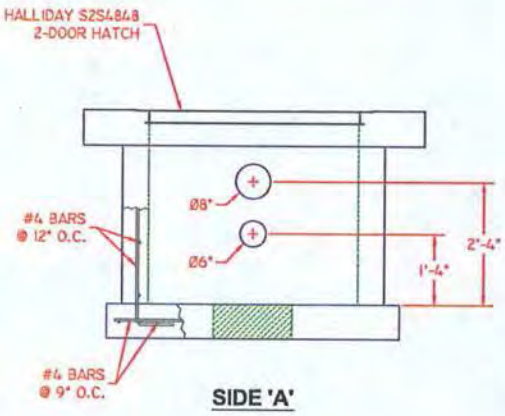
Install your meter in-line either horizontally or vertically or at the end of the hose adjacent to the nozzle. Installation to metal connections is not recommended. Install as follows:

1. Plan to install turbine with a minimum straight pipe length as follows:
   - Upstream from the turbine, allow a minimum straight pipe length of 10 times the internal diameter of the turbine.
   - Downstream from the turbine, allow a minimum straight pipe length of 5 times the internal diameter of the turbine.
2. For Spigot (Pipe) End use only primer and solvents approved for PVC gluing.

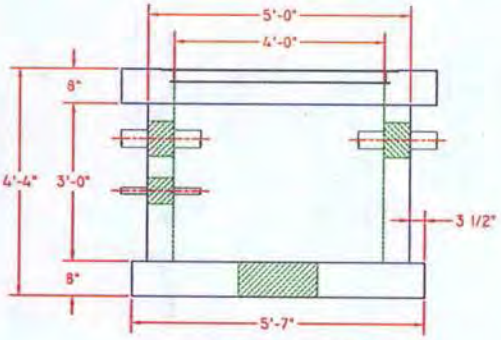
EL. GW SUMP
MPA BASIN



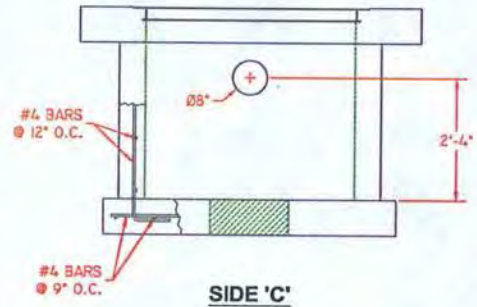
PLAN VIEW



SIDE 'A'



SECTION 'A-A'



SIDE 'C'

Mark	Approval	Description	Date	By
1				
Total weight: 1				

Project: MPA GRADING, EL DORADO, KS.
Title: RECON VALVE VAULT
Drawn by: JCS
Date: 11/05/10
Approved by:

WICHITA CONCRETE PIPE COMPANY

GRUNDFOS

Redi-Flo4 Environmental Submersible Pumps

25E

Submittal Data 3450 RPM 60 Hertz

JOB or CUSTOMER:	
ENGINEER:	
CONTRACTOR:	
SUBMITTED BY:	DATE:
APPROVED BY:	DATE:
ORDER NO:	DATE:
SPECIFICATION REF:	

QUANTITY	TAG NO.	MODEL NO.	GPM	FEET	VOLT	PHASE	COMMENTS

Dimensions

Technical Data

FLOW RANGE: 18 to 32 U.S. GPM

MOTORS: Grundfos MS402E Environmental Submersible Motor (Standard)
Maximum Operating Temperature: 104°F (40°C)
Maximum Submergence Pressure: 220 PSI
Maximum Number of Starts Per Hour: 100
Minimum Recommended Flow Past Motor: 0.25 ft./sec.

(NOTE: Franklin Pollution Recovery motor is optional.)

DISCHARGE SIZE: 1 ½" NPT

MATERIALS OF CONSTRUCTION: See reverse side.

INSTALLATION: Unit to be installed vertically for submerged operation.

Electrical Data, Dimensions, and Weights ①

Pump Type	Motors HP	SF	PH	Volts	DIMENSIONS IN INCHES Overall Length A	Motor Length B	Pump End Length C	Max. Dia. D	Inlet E	Disch. Pipe Size (NPT) F	Net Weight (Lbs.)②	Ship. Weight (Lbs.)②
25E3	½	1.60	1	230	19 3/8	10 13/16	8 5/16	3 31/32	3 ¼	1 ½	24	25
25E4	¾	1.50	1	230	20 13/16	11 3/8	9 7/16	3 31/32	3 ¼	1 ½	25	27
25E6	1	1.40	1	230	23 1/16	12	11 1/16	3 31/32	3 ¼	1 ½	27	29
25E8	1 ½	1.30	1	230	26 5/16	13 5/16	12 3/4	3 31/32	3 ¼	1 ½	28	30

① Data for Grundfos MS402E motors. ② Does not include motor leads.

SPECIFICATIONS

Inlet and Outlet:
Spigot (Pipe) End Models:
TM050/TM050-P 1/2 inch Schd. 80, Spigot (Pipe)
TM075/TM075-P 3/4 inch Schd. 80, Spigot (Pipe)
TM100/TM100-P 1 inch Schd. 80, Spigot (Pipe)
TM150/TM150-P 1-1/2 inch Schd. 80, Spigot (Pipe)
TM200/TM200-P 2 inch Schd. 80, Spigot (Pipe)

NPT Models:
TM050-N/TM050-N-P 1/2 inch NPT
TM075-N/TM075-N-P 3/4 inch NPT
TM100-N/TM100-N-P 1 inch NPT
TM150-N/TM150-N-P 1-1/2 inch NPT
TM200-N/TM200-N-P 2 inch NPT

Design Type: Turbine

Wetted Components:
Housing: PVC
Journal Bearings: Ceramic
Shaft: Tungsten Carbide
Rotor and Supports: PVDF
Retaining Washer: Stainless Steel

Fitting Types: Spigot - Schd. 80 or NPT (female)
Max. Working Pressure: 225 PSIG @ 73° F

U.S. Measurement

Unit of Measure: Gallon

Flow Range:
1/2 inch 1 - 10 GPM
3/4 inch 2 - 20 GPM
1 inch 5 - 50 GPM
1-1/2 inch 10 - 100 GPM
2 inch 20 - 200 GPM

Accuracy with Computer: ± 3.0% of reading (Accuracy can be improved with field calibration)

Operating Temperature: +32° to +140° F (Do not allow fluid to freeze inside meter.)

Storage Temperature: -40° to +158° F

Product Weight:*

	Spigot (Pipe)	NPT
1/2 inch	.38 lbs.	.55 lbs.
3/4 inch	.43 lbs.	.57 lbs.
1 inch	.49 lbs.	.84 lbs.
1-1/2 inch	.66 lbs.	1.38 lbs.
2 inch	.78 lbs.	1.78 lbs.

Dimensions - inches (W x H x L):**

	Without Fitting	With Fitting
1/2"	2.0 x 2.6 x 3.8	2.0 x 2.8 x 5.5
3/4"	2.0 x 2.7 x 3.8	2.0 x 2.9 x 5.5
1"	2.0 x 3.1 x 4.1	2.0 x 3.3 x 6.2
1-1/2"	2.1 x 3.7 x 5.4	2.3 x 3.9 x 7.5
2"	2.4 x 4.2 x 5.5	3.5 x 4.5 x 7.9

* Weight with computer display. Conditioned signal output module adds .30 lbs.
** Dimensions with computer display. Conditioned signal output module adds 1.1 inch to height.

Metric Measurement

Unit of Measure: Litre

Flow Range:
1/2 inch 3.8 - 38 LPM
3/4 inch 7.6 - 76 LPM
1 inch 19 - 190 LPM
1-1/2 inch 38 - 380 LPM
2 inch 76 - 760 LPM

Accuracy with Computer: ± 3.0% of reading (Accuracy can be improved with field calibration)

Operating Temperature: 0° to +60° C (Do not allow fluid to freeze inside meter.)

Storage Temperature: -40° to +70° C

Product Weight*

	Spigot (Pipe)	NPT
1/2 inch	.172 kg	.249 kg
3/4 inch	.195 kg	.304 kg
1 inch	.222 kg	.381 kg
1-1/2 inch	.299 kg	.628 kg
2 inch	.354 kg	.807 kg

Dimensions - cm (W x H x L):**

	Without Fitting	With Fitting
1/2"	5.0 x 6.6 x 9.6	5.0 x 7.1 x 13.9
3/4"	5.0 x 6.8 x 9.6	5.0 x 7.3 x 13.9
1"	5.0 x 7.8 x 10.4	5.0 x 8.3 x 15.7
1-1/2"	5.8 x 9.3 x 13.7	5.8 x 9.9 x 19.3
2"	6.0 x 10.6 x 13.9	6.8 x 11.4 x 20.0

* Weight with computer display. Conditioned signal output module adds .14 kg.
** Dimensions with computer display. Conditioned signal output module adds 2.8 cm to height.

PARTS

The following replacement parts and accessories are available for the TM Series meters:

Part No.	Description
113435-1	Conditioned Signal Output Module
113520-1	Battery Replacement Kit
116000-1	Calibration Container, Large (5 gallon)
125509-03	1/2 inch, Turbine Assy Kit
125509-04	1/2 inch NPT, PVC Turbine Assy Kit
125510-03	3/4 inch, Turbine Assy Kit
125510-04	3/4 inch NPT, PVC Turbine Assy Kit
125512-03	1 inch, Turbine Assy Kit
125512-04	1 inch NPT, PVC Turbine Assy Kit
125514-03	1-1/2 inch, Turbine Assy Kit
125514-04	1-1/2 inch NPT, PVC Turbine Assy Kit
125516-03	2 inch, Turbine Assy Kit
125516-04	2 inch NPT, PVC Turbine Assy Kit
801002-52	Seal
	Computer Kits:
125509-03	1/2 inch, Computer Assy Kit
125511-03	3/4 inch, Computer Assy Kit
125513-03	1 inch, Computer Assy Kit
125515-03	1-1/2 inch, Computer Assy Kit
125517-03	2 inch, Computer Assy Kit

SERVICE

For warranty consideration, contact your local distributor. If you need further assistance, contact the GPI Customer Service Department at:

1-800-635-0113

You will need to:

- Provide information from the decal on your meter.
- Receive a Return Authorization number.
- Flush any fluid from the meter before shipping to the factory.

If possible leave customer installed fittings or ample length of bare pipe for reinstallation.

⚠ CAUTION

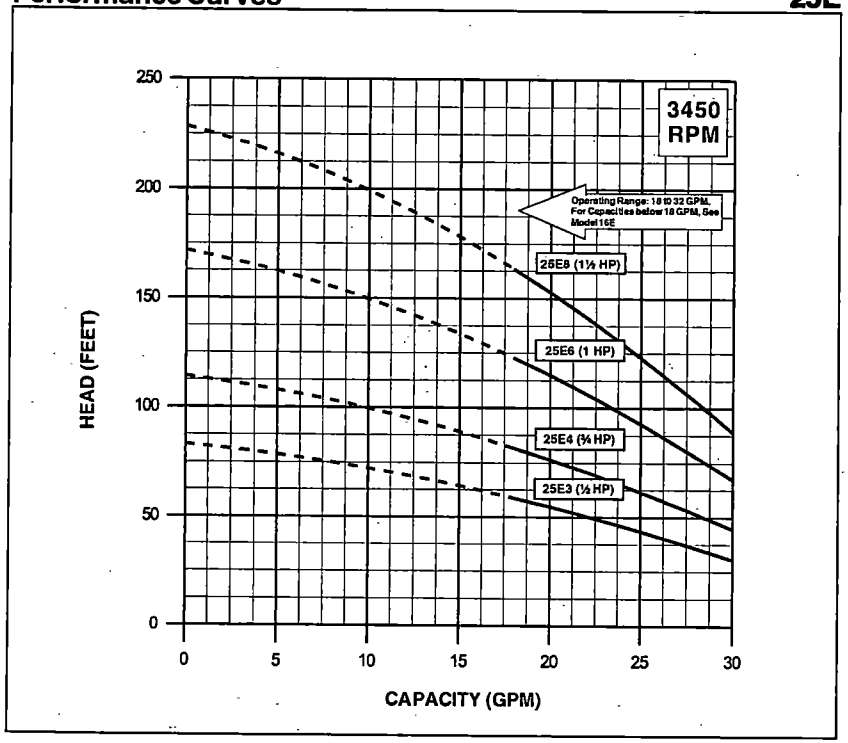
Do not return the meter without specific authority from the GPI Customer Service Department. Due to strict regulations governing U.S. transportation, handling, and disposal of hazardous or flammable liquids, GPI will not accept meters for rework unless they are completely free of liquid residue.

WEEE DIRECTIVE

The Waste Electrical and Electronic Equipment (WEEE) directive (2002/96/EC) was approved by the European Parliament and the Council of the European Union in 2003. The product before this product contained electrical and electronic equipment that may include batteries, printed circuit boards, liquid crystal displays or other components that may be subject to local disposal guidelines or laws. Please contact these authorities for details on how to dispose of this product in a responsible manner.

Performance Curves

25E



Materials of Construction

REDI-FLO4 PUMP END

Description	Material
Check Valve Housing, Check Valve, Diffuser Chamber, Impeller, Suction Interconnector, Inlet Screen, Pump Shaft, Straps, Cable Guard, Priming Inducer	304 SS
Check Valve Seat	304 SS & Teflon®
Impeller Seal Ring	Teflon®
Coupling	316/431 SS
Intermediate Bearings	Teflon®

GRUNDFOS ENVIRONMENTAL MOTOR

Description	Material
NEMA Top, Studs & Fasteners, Stator Housing, Fill Plug Screw	304 SS
Nuts	316 SS
Sand Slinger	FPM
Shaft Extension	431 SS
Diaphragm	FPM
Fill Plug Washer	Teflon®

GRUNDFOS ENVIRONMENTAL MOTOR LEADS

Description	Material
Connector Sleeve	304 SS
Connector Potting	Scotch Cast #4® Epoxy w/FPM Cap
Connector Plug	FPM
Lead Insulation	Teflon®
Conductor	Stranded Copper, 12 AWG

NOTES: Specifications are subject to change without notice.
Teflon® is a registered trademark of DuPont.
Scotch Cast #4® is a registered trademark of 3M Company.

GRUNDFOS

GRUNDFOS Pumps Corporation • 3131 N. Business Park Ave. Fresno, CA 93727
Customer Service Centers: Allentown, PA • Fresno, CA
Phone: (800)333-1366 • Fax: (800)333-1363
Canada: Oakville, Ontario • Mexico: Apodaca, N.L.

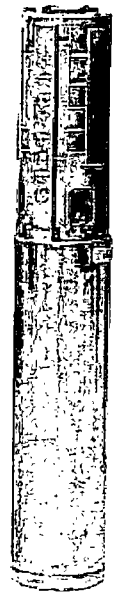
L-RF4-TL-025 Rev. 4/01
PRINTED IN USA

GRUNDFOS INSTRUCTIONS

Redi-Flo4

Stainless Steel Submersible Pumps for Environmental Applications

US Installation and operating instructions



Please leave these instructions with the pump for future reference.

BE > THINK > INNOVATE >

GRUNDFOS

SAFETY WARNING

Grundfos Stainless Steel Submersible Pumps

Your Grundfos Redi-Flo4 Environmental Pump is of the utmost quality. Combined with proper installation, your Grundfos pump will give you many years of reliable service.

To ensure the proper installation of the pump, carefully read the complete manual before attempting to install the pump.

Shipment Inspection

Examine the components carefully to make sure no damage has occurred to the pump-end, motor, cable or control box during shipment.

This Grundfos Redi-Flo4 Environmental Pump should remain in its shipping carton until it is ready to be installed. The carton is specially designed to protect it from damage. During unpacking and prior to installation, **make sure that the pump is not contaminated, dropped or mishandled.**

The motor is equipped with an electrical cable. **Under no circumstance should the cable be used to support the weight of the pump.**

You will find a loose data plate wired to the pump. It should be securely mounted at the well or attached to the control box.

PRE-INSTALLATION CHECKLIST

Before beginning installation, the following checks should be made. They are all critical for the proper installation of this submersible pump.

A. Condition of the Well

If the pump is to be installed in a new well, the well should be fully developed and bailed or blown free of cuttings and sand. Dispose of discharged materials in accordance with the specific job site requirements. The stainless steel construction of the Redi-Flo4 Environmental Pump makes it resistant to abrasion; however, no pump, made of any material, can forever withstand the destructive wear that occurs when constantly pumping sandy groundwater.

Determine the maximum depth of the well, and the drawdown level at the pump's maximum capacity. Pump selection and setting depth should be based on this data.

The inside diameter of the well casing should be checked to ensure that it is not smaller than the size of the pump and motor.

PRE-INSTALLATION CHECKLIST

B. Condition of the Water

Redi-Flo4 pumps are designed for pumping cold groundwater that is free of air or gases. Decreased pump performance and life expectancy can occur if the groundwater is not cold or contains air or gases.

C. Installation Depth

Pumping sand or well sediment can occur when the pump motor is installed lower than the top of the well screen or within five feet of the well bottom. This can reduce the performance and life expectancy of the pump and should be avoided.

If the pump is to be installed in a lake, containment pond, tank or large diameter well, the water velocity passing over the motor must be sufficient to ensure proper motor cooling. The minimum recommended water flow rates which ensure proper cooling are listed in Table A.

D. Electrical Supply

The motor voltage, phase and frequency indicated on the motor nameplate should be checked against the actual electrical supply.

WIRE CABLE TYPE

The wire cable used between the pump and control box or panel should be approved for submersible pump applications. The conductor insulation should have a continuous Teflon® jacket with no splices and must be suitable for use with submersible pumps.

INSTALLATION

The riser pipe or hose should be properly sized and selected based on estimated flow rates and friction-loss factors.

A back-up wrench should be used when the riser pipe is attaching a riser pipe or metallic nipple to the pump. The pump should only be gripped by the flats on the top of the discharge chamber. **The body of the pump, cable guard or motor should not be gripped under any circumstance.**

If Steel Riser Pipe Is Used:

An approved pipe thread compound should be used on all joints. Make sure the joints are adequately tightened in order to resist the tendency of the motor to loosen the joints when stopping and starting.

When tightened, the first section of the riser pipe must not come in contact with the check valve retainer in the discharge chamber of the pump.

INSTALLATION

After the first section of the riser pipe has been attached to the pump, the lifting cable or elevator should be clamped to the pipe. **Do not clamp the pump.** When raising the pump and riser section, be careful not to place bending stress on the pump by picking it up by the pump-end only.

Make sure that the electrical cables are not cut or damaged in any way when the pump is being lowered in the well.

The drop cable should be secured to the riser pipe at frequent intervals to prevent sagging, looping or possible cable damage.

If Plastic or Flexible Riser Pipe Is Used:

Use the correct compound recommended by the pipe manufacturer or specific job specifications. Besides making sure that joints are securely fastened, the use of a torque arrester is recommended when using these types of pipe.

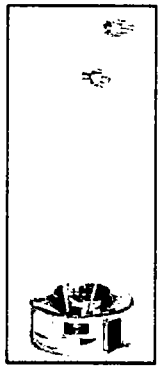
Do not connect the first plastic or flexible riser section directly to the pump. Always attach a metallic nipple or adapter into the discharge chamber of the pump. When tightened, the threaded end of the nipple or adapter must not come in contact with the check valve retainer in the discharge chamber of the pump.

The drop cable should be secured to the riser pipe at frequent intervals using an approved clip or tape to prevent sagging, looping and possible cable damage.

IMPORTANT - Plastic and flexible pipe tend to stretch under load. This stretching must be taken into account when securing the cable to the riser pipe.
Leave enough slack between clips or taped points to allow for this stretching. This tendency for plastic and flexible pipe to stretch will also affect the calculation of the pump setting depth. If the depth setting is critical, check with the manufacturer of the pipe to determine how to compensate for pipe stretch.

When these types of pipe are used, it is recommended that a safety cable be attached to the pump to lower and raise it. The discharge piece of Redi-Flo4 submersibles is designed to accommodate this cable (Figure 4).

FIGURE 4



Protect the Well from Contamination

While installing the pump, proper care should be used not to introduce foreign objects or contaminants into the well. The well should be finished off above grade to protect against surface water from entering the well, causing contamination.

NOTE: Teflon® is a registered trademark of DuPont.

ELECTRICAL

WARNING: To reduce the risk of electrical shock during operation of this pump requires the provision of acceptable grounding. If the means of connection to the supply connected box is other than grounded metal conduit, ground the pump back to the service by connecting a copper conductor, at least the size of the circuit supplying the pump, to the grounding screw provided within the wiring compartment.

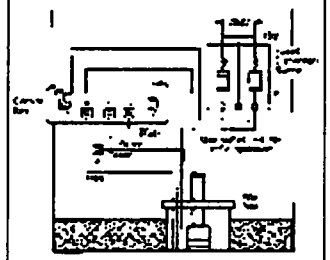
All electrical work should be performed by a qualified electrician in accordance with the latest edition of the National Electrical Code, local codes and regulations.

Verification of the electrical supply should be made to ensure the voltage, phase and frequency match that of the motor. Motor voltage, phase, frequency and full-load current information can be found on the nameplate attached to the motor. Motor electrical data can be found in Table C.

If voltage variations are larger than ± 10%, do not operate the pump.

Direct on-line starting is used due to the extremely fast run-up time of the motor (0.1 second maximum), and the low moment of inertia of the pump and motor. Direct on-line starting current (locked rotor amp) is between 4 and 6.5 times the full-load current.

FIGURE 5-A



Single-Phase Wiring Diagram for GRUNDFOS Control Boxes

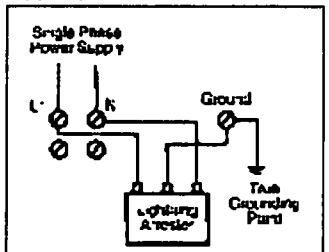
Engine-Driven Generators

If the Redi-Flo4 pump is going to be operated using an engine driven generator, we suggest the manufacturer of the generator be contracted to ensure the proper generator is selected and used. See Table B for generator sizing guide.

Control Box/Panel Wiring

Single-phase motors must be connected as indicated in the motor control box. A typical single-phase wiring diagram using a Grundfos control box is shown (Figure 5-A).

FIGURE 5-B



Single Phase Hookup

High Voltage Surge Arresters

A high voltage surge arrester should be used to protect the motor against lightning and switching surges. The correct voltage-rated surge arrester should be installed on the supply(line) side of the control box (Figure 5-B). **The arrester must be grounded in accordance with the National Electric Code, local codes and regulations.**

ELECTRICAL

Control Box and Surge Arrester Grounding

The control box shall be permanently grounded in accordance with the National Electrical Code and local codes or regulations. The ground wire should be a bare copper conductor at least the same size as the drop cable wire size. The ground wire should be run as short a distance as possible and be securely fastened to a true grounding point.

True grounding points are considered to be: a grounding rod driven into the water strata, steel well casing submerged into the water lower than the pump setting level, and steel discharge pipes without insulating couplings. If plastic discharge pipe and well casing are used, a properly sized bare copper wire should be connected to a stud on the motor and run to the control panel. Do not ground to a gas supply line. Connect the grounding wire to the ground point first and then to the terminal in the control box or panel.

Wiring Checks

Before making the final wiring connections of the drop cable to the control box terminal, it is a good practice to check the insulation resistance to ensure that the cable is good. Measurements for a new installation must be at least 1,000,000 ohm. Do not start the pump if the measurement is less than this. If it is higher, finish wiring and verify that all electrical connections are made in accordance with the wiring diagram. Check to ensure the control box and high voltage surge arrester have been grounded.

START-UP

After the pump has been set into the well and the wiring connections have been made, the following procedures should be performed:

A. Attach a temporary horizontal length of pipe with installed gate valve to the riser pipe.

B. If required, make provisions to capture discharged fluids for disposal.

C. Adjust the gate valve one-third open.

D. Start the pump and let it operate until the water runs clear of sand and silt.

E. As the water clears, slowly open the gate valve in small increments until the desired flow rate of clear water is reached. The pump should not be operated beyond its maximum flow rating and should not be stopped until the groundwater runs clear.

F. If the groundwater is clean and clear when the pump is first started, the valve should still be opened until the desired flow rate is reached.

G. Disconnect the temporary piping arrangements and complete the final piping connections.

H. **Under no circumstances should the pump be operated for any prolonged period of time with the discharge valve closed.** This can result in motor damage due to overheating. A properly sized relief valve should be installed at the well head to prevent the pump from running against a closed valve.

I. Start the pump and test the system. Check and record the voltage and current draw on each motor lead.

OPERATION

A. The pump and system should be periodically checked for water quantity, pressure, drawdown, periods of cycling, and operation of controls. **Under no circumstances should be the pump be operated for any prolonged periods of time with the discharge valve closed.** This can result in motor and pump damage due to overheating. A properly sized relief valve should be installed at the well head to prevent the pump from running against a closed valve.

B. If the pump fails to operate, or there is a loss of performance, refer to Troubleshooting, Section 7.

TROUBLESHOOTING

The majority of problems that develop with submersible pumps are electrical, and most of these problems can be corrected without pulling the pump from the well. The following charts cover most of the submersible service work. As with any troubleshooting procedure, start with the simplest solution first; always make all the above-ground checks before pulling the pump from the well.

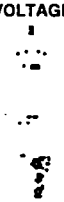
Usually only two instruments are needed – a combination voltmeter/ammeter, and an ohmmeter. These are relatively inexpensive and can be obtained from most water systems suppliers.

WHEN WORKING WITH ELECTRICAL CIRCUITS, USE CAUTION TO AVOID ELECTRICAL SHOCK. It is recommended that rubber gloves and boots be worn and that care is taken to have metal control boxes and motors grounded to power supply ground or steel drop pipe or casing extending into the well. WARNING: Submersible motors are intended for operation in a well. When not operated in a well, failure to connect motor frame to power supply ground may result in serious electrical shock.

TROUBLESHOOTING

Preliminary Tests

SUPPLY VOLTAGE



How to Measure

By means of a voltmeter, which has been set to the proper scale, measure the voltage at the control box. On single-phase units, measure between line and neutral.

What it Means

When the motor is under load, the voltage should be within ± 10% of the nameplate voltage. Larger voltage variation may cause winding damage.

Large variations in the voltage indicate a poor electrical supply and the pump should not be operated until these variations have been corrected.

If the voltage constantly remains high or low, the motor should be changed to the correct supply voltage.

CURRENT MEASUREMENT

How to Measure

By use of an ammeter, set on the proper scale, measure the current on each power lead at the control box. See the Electrical Data, Table C, for motor amp draw information.

Current should be measured when the pump is operating at a constant discharge pressure with the motor fully loaded.

What it Means

If the amp draw exceeds the listed service factor amps (SFA), check for the following:

1. Loose terminals in control box or possible cable defect. Check winding and insulation resistances.
3. Too high or low supply voltage.
4. Motor windings are shorted.
5. Pump is damaged causing a motor overload.

WINDING RESISTANCE

How to Measure

Turn off power and disconnect the drop cable leads in the control box. Using an ohmmeter, set the scale selectors to Rx1 for values under 10 ohms and Rx10 for values over 10 ohms.

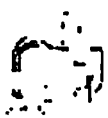
Zero-adjust the meter and measure the resistance between leads. Record the values.

Motor resistance values can be found in Electrical Data, Table C. Cable resistance values are in Table D.

What it Means

If all the ohm values are normal, and the cable colors correct, the windings are not damaged. If any one ohm value is less than normal, the motor may be shorted. If any one ohm value is greater than normal, there is a poor cable connection or joint. The windings or cable may also be open. If some of the ohm values are greater than normal and some less, the drop cable leads are mixed. To verify lead colors, see resistance values in Electrical Data, Table C.

INSULATION RESISTANCE



How to Measure

Turn off power and disconnect the drop cable leads in the control box. Using an ohm or mega ohmmeter, set the scale selector to Rx 100K and zero-adjust the meter.

Measure the resistance between the lead and ground (discharge pipe or well casing, if steel).

What it Means

For ohm values, refer to table below. Motors of all Hp, voltage, phase and cycle duties have the same value of insulation resistance.

TROUBLESHOOTING CHART

OHM VALUE	MEGAOHM VALUE	CONDITION OF MOTOR AND LEADS
		Motor not yet installed:
2,000,000 (or more)	2.0	New Motor.
1,000,000 (or more)	1.0	Used motor which can be reinstalled in the well.
		Motor in well (Ohm readings are for drop cable plus motor):
500,000 - 1,000,000	0.5 - 1.0	A motor in reasonably good condition.
20,000 - 500,000	0.02 - 0.5	A motor which may have been damaged by lightning or with damaged leads. Do not pull the pump for this reason.
10,000 - 20,000	0.01 - 0.02	A motor which definitely has been damaged or with damaged cable. The pump should be pulled and repairs made to the cable or the motor replaced. The motor will still operate, but probably not for long.
less than 10,000	0 - 0.01	A motor which has failed or with completely destroyed cable insulation. The pump must be pulled and the cable repaired or the motor replaced. The motor will not run in this condition.

A. Pump Does Not Run

POSSIBLE CAUSES	HOW TO CHECK	HOW TO CORRECT
1. No power at pump panel.	Check for voltage at panel.	If no voltage at panel, check feeder panel for tripped circuits.
2. Fuses are blown or circuit breakers are tripped.	Remove fuses and check for continuity with ohmmeter.	Replace blown fuses or reset circuit breaker. If new fuses blow or circuit breaker trips, the electrical installation and motor must be checked.
3. Defective controls.	Check all safety and pressure switches for operation. Inspect contacts in control devices.	Replace worn or defective parts.
4. Motor and/or cable are defective.	Turn off power. Disconnect motor leads from control box. Measure the lead to lead resistances with the ohmmeter (Rx1). Measure lead to ground values with ohmmeter (Rx100K). Record measured values.	If open motor winding or ground is found, remove pump and recheck values at the surface. Repair or replace motor or cable.
5. Defective capacitor.	Turn off the power, then discharge capacitor. Disconnect leads and check with an ohmmeter (Rx100K). When meter is connected, the needle should jump forward and slowly drift back.	If there is no needle movement, replace the capacitor.

TROUBLESHOOTING CHART

B. Pump Runs But Does Not Deliver Water

POSSIBLE CAUSES	HOW TO CHECK	HOW TO CORRECT
1. Groundwater level in well is too low or well is collapsed.	Check well draw-down.	Lower pump if possible. If not, throttle discharge valve and install water level control.
2. Integral pump check valve is blocked.	Install pressure gauge, start pump, gradually close the discharge valve and read pressure at shut-off. After taking reading, open valve to its previous position. Convert PSI to feet. (For water: PSI x 2.31 ft/PSI = ____ ft.), and add this to the total vertical distance from the pressure gauge to the water level in the well while the pump is running. Refer to the specific pump curve for the shut-off head for that pump model. If the measured head is close to the curve, pump is probably OK.	If not close to the pump curve, remove pump and inspect discharge section. Remove blockage, repair valve and valve seat if necessary. Check for other damage. Rinse out pump and reinstall.
3. Inlet strainer is clogged.	Same as B.2 above.	If not close to the pump curve, remove pump and inspect. Clean strainer, inspect integral check valve for blockage, rinse out pump and reinstall.
4. Pump is damaged.	Same as B.2 above.	If damaged, repair as necessary. Rinse out pump and re-install.

C. Pump Runs But at Reduced Capacity

POSSIBLE CAUSES	HOW TO CHECK	HOW TO CORRECT
1. Draw-down is larger than anticipated.	Check drawdown during pump operation.	Lower pump if possible. If not, throttle discharge valve and install water level control.
2. Discharge piping or valve leaking.	Examine system for leaks.	Repair leaks.
3. Pump strainer or check valve are clogged.	Remove pump and inspect.	Clean, repair, rinse out pump and reinstall.
4. Pump worn.	Same as B.2 above.	If not close to pump curve, remove pump and inspect.

D. Pump Cycles Too Much

POSSIBLE CAUSES	HOW TO CHECK	HOW TO CORRECT
1. Pressure switch is not properly adjusted or is defective.	Check pressure setting on switch and operation. Check voltage across closed contacts.	Re-adjust switch or replace if defective.
2. Level control is not properly set or is defective.	Check setting and operation.	Re-adjust setting (refer to manufacturer data.) Replace if defective.
3. Plugged snifter valve or bleed orifice.	Examine valve and orifice for dirt or corrosion.	Clean and/or replace if defective.

TROUBLESHOOTING CHART

E. Fuses Blow or Circuit Breakers Trip

POSSIBLE CAUSES	HOW TO CHECK	HOW TO CORRECT
1. High or low voltage.	Check voltage at pump panel. If not within ± 10%, check wire size and length of run to pump panel.	If wire size is correct, contact power company. If not, correct and/or replace as necessary.
2. Control box wiring and components.	Check that control box parts match the parts list. Check to see that wiring matches wiring diagram. Check for loose or broken wires or terminals.	Correct as required.
3. Defective capacitor.	Turn off power and discharge capacitor. Check using an ohmmeter (Rx100K). When the meter is connected, the needle should jump forward and slowly drift back.	If no meter movement, replace the capacitor.
4. Starting relay (Franklin single-phase motors only).	Check resistance of relay coil with an ohmmeter (Rx1000K). Check contacts for wear.	Replace defective relay.

TECHNICAL DATA

Table A

Minimum Water Flow Requirements for Submersible Pump Motors

MOTOR DIAMETER	CASING OR SLEEVE I.D. IN INCHES	MIN. FLOW PAST THE MOTOR (GPM)
4"	4	1.2
	5	7
	6	13
	7	21
	8	30

NOTES:

1. A flow inducer or sleeve must be used if the water enters the well above the motor or if there is insufficient water flow past the motor.
2. The minimum recommended water velocity over 4" motors is 0.25 feet per second.

Table B

Guide for Engine-Driven Generators in Submersible Pump Applications

	MINIMUM KILOWATT RATING OF GENERATOR FOR THREE-WIRE SUBMERSIBLE PUMP MOTORS	
MOTOR HP	EXTERNALLY REGULATED GENERATOR	INTERNALLY REGULATED GENERATOR
0.33 HP	1.5 KW	1.2 KW
0.50	2.0	1.5
0.75	3.0	2.0
1.0	4.0	2.5
1.5	5.0	3.0

NOTES:

1. Table is based on typical 80°C rise continuous duty generators with 35% maximum voltage dip during start-up of single phase motors.
2. Contact the manufacturer of the generator to assure the unit has adequate capacity to run the submersible motor.
3. If the generator rating is in KVA instead of kilowatts, multiply the above ratings by 1.25 to obtain KVA.

TECHNICAL DATA

Table C

Electrical Data – 60 Hz Submersible Pump Motors

GRUNDFOS MOTORS

HP	PH	VOLT	SER. FACT.	CIRC. BRK. OR STD. FUSE	DUAL ELEMENT FUSE	AMPERAGE FULL LOAD	AMPERAGE LOCK ROTOR	AMPERAGE S.F. AMPS	FULL LOAD EFF.	FULL LOAD POWER FACTOR	LINE-TO-LINE RESISTANCE (OHMS)	KVA CODE **	MAX. THRUST (LBS)	GRUNDFOS PART NO.
4-Inch, Single Phase, 2-Wire Motors (control box not required)														
1/3	1	230	1.75	15	5	3.4	25.7	4.6	59.0	77.0	6.8-8.2	S	770	79.952301
1/2	1	230	1.60	15	7	4.5	34.5	6.0	62.0	78.0	5.2-6.3	R	770	79.952302
3/4	1	230	1.50	20	9	6.9	40.5	8.4	62.0	75.0	3.2-3.8	N	770	79.952303
1	1	230	1.40	25	12	8.0	48.4	9.8	63.0	82.0	2.5-3.1	M	770	79.952304
1-1/2	1	230	1.30	35	15	10.0	62.0	13.1	64.0	85.0	1.9-2.3	L	770	79.952305
4-Inch, Single Phase, 3-Wire Motors														
1/3	1	230	1.75	15	5	3.4	14.0	4.6	59.0	77.0	6.8-8.3 17.3-21.1	L	770	79.453301
1/2	1	230	1.60	15	7	4.5	21.5	6.0	62.0	76.0	4.7-5.7 15.8-19.6	L	770	79.453302
3/4	1	230	1.50	20	9	6.9	31.4	8.4	62.0	75.0	3.2-3.9 14-17.2	L	770	79.453303
1	1	230	1.40	25	12	8.0	38.0	9.8	63.0	82.0	2.6-3.1 10.3-12.5	K	770	79.453304
1-1/2	1	230	1.30	35	15	9.4	45.9	11.6	60.0	80.0	1.9-2.3 7.8-9.6	H	770	79.453305

FRANKLIN MOTORS

(refer to the Franklin Submersible Motors Application Maintenance Manual)

TECHNICAL DATA

Table D

Total Resistance of Drop Cable (OHMS)

The values shown in this table are for copper conductors. Values are for the total resistance of drop cable from the **control box to the motor and back.**

To determine the resistance:

1. Disconnect the drop cable leads from the control box.
2. Record the size and length of drop cable.
3. Determine the cable resistance from the table.
4. Add drop cable resistance to motor resistance. Motor resistances can be found in the Electrical Data Chart, Table C.
5. Measure the resistance between each drop cable lead using an ohmmeter. Meter should be set on Rx1 and zero-balanced for this measurement.
6. The measured values should be approximately equal to the calculated values.

Wire Resistances

DISTANCE FROM CONTROL BOX TO PUMP MOTOR (FT.)	12 AWG WIRE RESISTANCE (OHMS)	14 AWG WIRE RESISTANCE (OHMS)
10	0.03	0.05
20	0.06	0.10
30	0.10	0.15
40	0.13	0.21
50	0.16	0.26
60	0.19	0.31
70	0.23	0.36
80	0.26	0.41
90	0.29	0.46
100	0.32	0.51
110	0.36	0.57
120	0.39	0.62
130	0.42	0.67
140	0.45	0.72
150	0.49	0.77
160	0.52	0.82
170	0.55	0.87
180	0.58	0.93
190	0.62	0.98
200	0.65	1.03

NOTES

NOTES

BE > THINK > INNOVATE >

LIMITED WARRANTY

Redi-Flo4 Environmental Pumps manufactured by GRUNDFOS PUMPS CORPORATION (GRUNDFOS) are warranted to the original user only to be free of defects in material and workmanship for a period of 24 months from date of installation, but not more than 30 months from date of manufacture. GRUNDFOS' liability under this warranty shall be limited to repairing or replacing at GRUNDFOS' option, without charge, F.O.B. GRUNDFOS' factory or authorized service station, any product of GRUNDFOS' manufacture. GRUNDFOS will not be liable for any costs of removal, installation, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by GRUNDFOS are subject to the warranty provided by the manufacturer of said products and not by GRUNDFOS' warranty. GRUNDFOS will not be liable for damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with GRUNDFOS' printed installation and operating instructions.

To obtain service under this warranty, the defective product must be returned to the distributor or dealer of GRUNDFOS' products from which it was purchased together with proof of purchase and installation date, failure date, and supporting installation data. Unless otherwise provided, the distributor or dealer will contact GRUNDFOS or an authorized service station for instructions. Any defective product to be returned to GRUNDFOS or a service station must be sent freight prepaid; documentation supporting the warranty claim and/or a Return Material Authorization must be included if so instructed.

GRUNDFOS WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSSES, OR EXPENSES ARISING FROM INSTALLATION, USE, OR ANY OTHER CAUSES. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THOSE WARRANTIES DESCRIBED OR REFERRED TO ABOVE.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

Grundfos Pumps Corporation
17100 W. 118th Terrace
Olathe, Kansas 66061
Telephone: (913) 227-3400
Fax: (913) 227-3500

Grundfos Canada, Inc.
2941 Brighton Rd.
Oakville, Ontario L6H 6C9
Telephone: (905) 829-9533
Fax: (905) 829-9512

Bombas Grundfos de Mexico, S.A. de C.V.
Boulevard TLC #15, Parque Industrial Stiva Aeropuerto
C.P. 66600 Apodaca, N.L. Mexico
Telephone: 52-8-144-4000
Fax: 52-8-144-4010

L-RF-IO-001 Rev. 07/03
PRINTED IN USA

GSE Roll Allocation

Order 62786
Customer Hallaton, Inc.
Site El Paso Merchant Energy-Petro Co. Basin

Roll#	Resin Lot	Product Code	Description	Mfg. Date	Length
131351983	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351984	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351985	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351986	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351987	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351988	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351989	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351990	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351991	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351992	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351993	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351994	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351995	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351996	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351997	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351998	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330
131351999	CB20072202	GNS-200E-00-00-	GNS-200E-00-00-E-00	9/30/2010	330

agru america quality control dep't

quality certificate

ROLL # **211351-06** Lot #: **MM193612** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC		ENGLISH	
	MIN:	1.46	mm	57	mil
	MAX:	1.81	mm	71	mil
Asperity GRI GM12: 30 mil (ODD #: TOP EVEN #: BOTTOM)	AVE:	1.58	mm	62	mil

Thickness.....	1.5	mm	60 mil
Length.....	125	m	410.1 feet
Width.....	7.00	m;	23.0 feet
OIT(Standard) ASTM D3895 minutes	143		

						TEST RESULTS	
Specific Gravity ASTM D792	Density	g/cc				.944	
MFI ASTM D1238 COND. E GRADE: 7002	Melt Flow Index 190°C /2160 g	g/10 min				.24	
Carbon Black Content ASTM D4218	Range	%				2.35	
Carbon Black Dispersion ASTM D5596	Category					1	
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	27	N/mm	152	ppi	2,448	psi
	Average Strength @ Break	31	N/mm	177	ppi	2,842	psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%				17.46	
Lo = 2.0" Break	Average Elongation @ Break	%				502.2	
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%				-.61	
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	245.1	N			55.095	lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	437.3	N			98.324	lbs
Puncture Resistance ASTM D4833 (Modified)	Load	614.2	N			138.08	lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500	hrs			CERTIFIED	
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300	hrs			ONGOING	

Customer: **Environmental Specialties**
PO: **6208 Big Run Landfill**
Destination **Ashland, KY**

Date: 3-15-06
Signature: [signature]
Quality Control Department

60HDmic.FRM REV 03 12/23/05

agru america quality control dep't

quality certificate

ROLL # **206769-06** Lot # **CSG812000** **Liner Type:SMOOTH LLDPE**

Thickness Measurement ASTM D5199 (Modified)		METRIC		ENGLISH	
	MIN:	1.425	mm	56	mil
	MAX:	1.703	mm	67	mil
	AVE:	1.558	mm	61	mil

Thickness	1.5mm		60mil
Length	128	m	420 feet
Width	6.86	m	22.5 feet
OIT(Standard) ASTM D3895 minutes	144		

Specific Gravity ASTM D792	Density	g/cc				.937	
MFI ASTM D1238 COND. E GRADE: 7104	Melt Flow Index 190°C /2160 g	- g /10 min				.32	
Carbon Black Content ASTM D4218	Range	%				2.46	
Carbon Black Dispersion ASTM D5596	Category					1	
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Break	53	N/mm	300	ppi	5,005	psi
Elongation ASTM D-6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield Lo = 2.0" Break	Average Elongation @ Break	%				931.1	
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional Change	%				-0.20	
Tear Resistance ASTM D1004 (Modified)	Average Tear Resistance	204	N			45.966	lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	455	N			102.37	lbs
Puncture Resistance ASTM D4833 (Modified)	Load	550	N			123.56	lbs
ESCR ASTM D1693	Minimum Hrs w / o Failures	1500	hrs			CERTIFIED	

Customer:
PO:
Destination

Date: 2-13-06
Signature: [signature]
Quality Control Department

60LLSM.FRM REV 02 12/23/05

Standard Frequency of Testing

agru america

Product Data

Property	Test Method	Frequency of testing (minimum)*
Thickness (min. ave.), mil	ASTM D5994/D5199	per roll
Asperity Height (min. ave.), mil	GRI GM-12 (for textured liner)	per roll, alternating top/bottom for dbl sided textured liner only
Density, g/cc, minimum	ASTM D792, Method B	200,000 lbs (railcar)
Tensile Properties (ave. both directions)	ASTM D6693, Type IV	
Strength @ Yield (min. ave.), lb/in width	2 in/minute	
Elongation @ Yield (min. ave.), % (GL=1.3in)	5 specimens in each direction	20,000 lbs
Strength @ Break (min. ave.), lb/in width		
Elongation @ Break (min. ave.), % (GL=2.0in)		
Tear Resistance, lbs. (min. ave.)	ASTM D1004	45,000 lbs
Puncture Resistance, lbs. (min. ave.)	ASTM D4833	45,000 lbs
Carbon Black Content (range in %)	ASTM D4218	20,000 lbs
Carbon Black Dispersion (Category)	ASTM D5596	45,000 lbs
Stress Crack Resistance (NCTL), hours	ASTM D5397, Appendix	200,000 lbs (railcar)
Oxidative Induction Time, minutes	ASTM D3895, 200°C, 1 atm O_2	200,000 lbs (railcar) on finished liner
Melt Flow Index, g/10 minutes	ASTM D1238, 190°C, 2.16kg	200,000 lbs (railcar) on incoming resin
Low Temperature Brittleness, °C	ASTM D746, -60°C	200,000 lbs (railcar) on finished liner
Oven Aging with HP OIT, (% retained after 90 days)	ASTM D5721 ASTM D5885, 150°C, 500psi O_2	per resin formulation
UV Resistance with HP OIT, (% retained after 1600 hours)	GRI GM11 ASTM D5885, 150°C, 500psi O_2	per resin formulation
2% Secant Modulus, lb/in. (max.)	ASTM D5323	per resin formulation-**for LLDPE liner only**
Axi-Symmetric Break Resistance Strain, % (min.)	ASTM D5617	per resin formulation-**for LLDPE liner only**

These test frequencies meet or exceed GRI's GM-13

***Theses test frequencies may be changed based on project specifications, and represent the minimum MQC testing performed. Additional costs may be incurred if required testing is greater than listed above**

All information, recommendations and suggestions appearing in this literature concerning the use of our products are based upon tests and data believed to be reliable; however, it is the user's responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made by Agru/America as to the effects of such use or the results to be obtained, nor does Agru/America assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein is to be construed as permission or as a recommendation to infringe any patent.

Executive Offices: 500 Garrison Road, Georgetown, SC 29440 843-546-0600 800-321-1379 Fax: 843-546-0516
Sales Office: 700 Rockmead, Suite 150, Kingwood, TX 77339 281-358-4741 800-373-2478 Fax: 281-358-5297
email: salesmkg@agruamerica.com

5/04

Chevron Phillips Chemical Company LP

CoA Date: 07/14/2004

Certificate of Analysis

Shipped To: AGRU AMERICA INC
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: GRANT PALMER
Fax:

CPC Delivery #: 86671544
PO #: 03814
Weight: 190000 LB
Ship Date: 07/14/2004
Package: BULK
Mode: Hopper Car
Car #: GOCX058461
Seal No: 301173

Product:
MARLEX POLYETHYLENE K307 BULK

Lot Number: 8140404

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.260	g/10mi
HLMI Flow Rate	ASTM D1238	22.00	g/10mi
Density	ASTM D1505	0.9380	g/cm3
Pellet Count	P02.08.03	30.000	pel/g
Production Date		3/22/04	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP.
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Jackie Edwards
Certification Systems Specialist

For CoA questions contact Carol Meza at 713-475-3625

The following test results are reported in the Quality Certificate, derived from our Standard Test Frequency (attached) and/or supplied raw material manufacturer Certificates of Analysis:

Test / Method	Results Reported & Modifications to Standard (if any)
Thickness †ASTM D5199(Smooth), or †D5994(Textured) **(Both Modified)**	Minimum, Maximum, and Average Sheet Thickness in mm and mils. **Modification from Standard** = Measurements are taken upon sample reaching Lab Temperature Equilibrium.
Asperity Height GRI GM12 **(Modified)** Textured liner only	Asperity height in mils **Modifications from Standard** = Gage used is accurate to 0.02mm, not 0.25mm. Edge samples are collected from the smooth/textured junction, not 1 foot from edge. ASTM D5994 specimens are used for this test, not direct placement.
Density †ASTM D792	Density in g/cc
Melt Flow Index †ASTM D1238	g/10minutes (Conditions =190°C, 2.16kg). **NOTE:** Resin Manufacturer's Certificate of Analysis result is reported. Our testing verifies this result.
Carbon Black Content †ASTM D4218	% Carbon Black by weight
Carbon Black Dispersion †ASTM D5596	Category
Tensile Strength †ASTM D6693 †ASTM D638 Both Type IV, 2 inches / minute **(Both Modified)**	Average Strength @ Yield in psi, ppi, & N/mm Average Strength @ Break in psi, ppi, & N/mm Average Elongation @ Yield in % Average Elongation @ Break in % **Modification from Standard** = Average of MD & TD results are reported **NOTE 1:** The D6693 results equate to the following **D638 Modifications**: Gage Length for Yield = 1.3", for Break = 2" **NOTE 2:** Yield data not reported for LLDPE
Dimensional Stability †ASTM D1204 **(Modified)**	Average Dimensional Change in % **Modification from Standard** = Average Dimensional Change of MD & TD is reported.
Tear Resistance †ASTM D1004 **(Modified)**	Tear Resistance in Lbs & N. **Modifications from Standard** = Test is run upon sample reaching Lab Temperature Equilibrium. Average Tear Resistance of MD & TD is reported.
Puncture Resistance †ASTM D4833 †FTMS 101C Method 2065 **(Both Modified)**	Puncture Resistance in Lbs & N. **Modification from Standard** = Test is run upon sample reaching Lab Temperature Equilibrium.
Environmental Stress Crack Resistance (ESCR) †ASTM D1693 **(CERTIFIED)**	This test is n longer run by Agru America, and the result is now certified by Agru America for 1500 hours (Certification letter is attached, as well as GAI-LAP's approval of the certification.)
Notched Constant Tensile Load †ASTM D5397 (Single Point, Appx.)	Pass / Fail at 300 hours (or as required by customer specifications) This test run on HDPE only, and on smooth edge of textured liners.

†GRI-LAP Accredited for this method (INCLUDING Modifications)

The following Test methods are also performed per railcar in our Standard MQC, but results are **not** reported on our Quality Certificates (results can be forwarded if necessary).

Test / Method	Results Reported
Oxidative Induction Time (OIT) ASTM D3895 Standard, 200°C, 1atm. **THIS TEST DONE IN-HOUSE BY AGRU AMERICA**	OIT Time in minutes
Low Temperature Brittleness ASTM D746 **THIS TEST OUTSOURCED TO AN ACCREDITED 3rd PARTY LAB**	Pass / Fail for each specimen (5 specimens in both MD & TD), % of samples passing. **NOTE:** Standard MQC Temperature tested to is -60°C. Lower Temperatures can be done if required by customer specifications.

Additional Test Procedures
(Available if Specified from GRI-LAP Accredited Third Party Labs)

Hydrostatic Resistance	ASTM D751
Volatile Loss	ASTM D1203
Resistance to Soil Burial	ASTM D3083 using ASTM D638 Type IV dumbbell at 2"/min.
Water Absorption	ASTM D570
Coefficient of Thermal Expansion	ASTM D696
Friction Angle Direct Shear Method	ASTM D5321
Moisture Vapor Transmission Rate 100°F - 100% RH	ASTM E96
Transmissivity Various gradients & confining pressure	ASTM D4716
Multi-axial Tensile Strain at Rupture (percent)	ASTM D5617

The Extrusion Process

The resin is conveyed through a vacuum pump system and flexible hoses to a dryer hopper, feeding the resin by gravity into an 8-inch barrel. This barrel is divided into five heating zones, each heating zone being computer controlled and constantly monitored.

A screw in the barrel turns at a prescribed and monitored speed. It conveys the resin slowly to full plastication, and then the plasticated resin is fed through a manifold into a coat hanger die having a width of approximately 24 feet. The die lips are open to a prescribed distance governed by the thickness of the geomembrane to be extruded.

Exiting the die, the plasticated resin forms a controlled and monitored bead, which feeds into a chrome three-roll stack in a prescribed pattern. Each chrome roll is set at a prescribed temperature, controlled by water circulation.

Exiting the controlled cooling of the roll stack, the geomembrane travels down the take off haulers towards the winder. On the way to the take off, the liner is trimmed to bring the finished width to the applicable standard. Trimmings are granulated.

The trimmed edge of one side of the geomembrane is marked at every 3.28 ft with thickness, Agru America name and year of manufacture. This marking also serves as product identification.

The geomembrane is visually inspected for surface defects as it travels down the take off by both the extruder and the winder operators.

The geomembrane is wound on a recycled HDPE core having 6" ID (150mm), 7" OD (175mm) and 22'8" (6.8m) length. Each smooth roll weighs approximately 3,000 pounds (1360 kg). Microspike® rolls weigh approximately 3,200 pounds (1450 kg). All rolls are fitted with two nylon slings when shipped.

Post Extrusion Quality Control

Once start-up conditions are over and commercial extrusion is initiated, post-production quality control comes into operation. A series of test procedures are performed based upon either our Standard Frequency of testing (attached), or frequencies required by customer specifications.

A sample approximately 11" by the full width of the geomembrane is taken from every roll. Based on the specified test frequencies, certain specimens are die cut, tested and the results summarized on the Quality Certificate issued by our Quality Control Department. The certificate is signed electronically

by the Quality Control Manager. The Quality Control Manager reports directly to the President of the Company.

Rolls failing to comply with either Customer Project Specifications and/or our own latest revision to our published data sheets are set aside and re-classified as off-spec (Class B rolls).

Quality Certificates are provided for all rolls of geomembranes (sample smooth & Microspike® certificates are attached), with the exception of off-spec (Class B rolls).

Sometimes a third party Quality Assurance representative is mandated by the owner of a project to oversee our manufacturing QA. We gladly subscribe to this procedure and make all our records available 24 hours a day for the duration of the mandate.

The following roll identification items are reported in our Quality Certificate:

Roll number

(example) **203366 -01**

First digit	machine
Second and third digits	week of year
Fourth digit	day of week (Monday=1, Sunday=7)
Last two digits	roll number (first roll of week is 01, etc.)

The two last digits separated from the others indicate the year the roll was produced.

Using the above key:

Roll #203366 -01 was produced on Liner Machine #2 on Wednesday, January 17, 2001.

Product Description (liner type: Smooth, Microspike®, Drain®, Super Gripnet®, etc.)

Roll Length & Width in feet & meters

Raw material lot and/or batch number and supplier/product identification (from Resin Manufacturer's Certificate of Analysis – sample attached)

MANUFACTURING QUALITY CONTROL

SALES OFFICE:

AGRU AMERICA, INC.

500 Garrison Road

Georgetown, SC 29440

Toll Free: (800) 373-2478

Telephone: (843) 546-0600

Fax: (843) 527-2738

salesmkg@agruamerica.com

www.agruamerica.com

July 23, 2004

AGRU AMERICA, INC. - QA/QC

Manufacturing – Quality Assurance/Quality Control

AGRU AMERICA, Inc. extrudes high density polyethylene (HDPE) and linear low density polyethylene (LLDPE) geomembrane at its plant located at 500 Garrison Road, Georgetown, South Carolina, 29440.

Our USA Manufacturing Quality Assurance Program is dependent on the utilization of an in-house laboratory which is, when necessary, complemented with testing performed by certified outside laboratories such as:

- Precision Geosynthetic Laboratories; Anaheim, CA
  Telephone (714) 520-9631; Fax (714) 520-9637
- TRI/Environmental, Inc.; Austin, Texas
  Telephone (512) 263-2101; Fax (512) 263-2558

  And other GRI-LAP accredited laboratories.

Raw Material – Manufacturer's Certificate of Conformity

HDPE and LLDPE resin is supplied to our plant in bulk and subjected to the following procedures:

- Prior to shipment, our resin supplier submits a certificate of analysis. Once approved, the resin is released for shipment to our plant.
- One sample is taken from each rail car after arrival and tested as follows:
  Melt Index ASTM D1238 190°C, 2.16kg, and Density ASTM D792.
- Once the tests have been completed and results found to be in compliance with our requirements, the resin is then unloaded into our silo system.
- At this stage, our supplier has performed one battery of tests and Agru America has performed one to verify the manufacturer's certificate of analysis.
- Off specification resin is returned to the supplier.
- The Manufacturer's MFI Test Data is reported on the Quality Certificate (Agru America's MFI Testing is done to verify this data).

COMPANY CONFIDENTIAL

- The following information is provided on a confidential basis in compliance with a request for such information.

	Corporate Office/East Coast Manufacturing Facility	West Coast Manufacturing Facility
Address:	500 Garrison Road Georgetown, South Carolina	2000 E. Newland Drive Fernley, Nevada
Area of Site:	20 acres	25 acres
Area of Factory:	80,000 square feet	50,000 square feet
Equipment:	Line 1 Geomembrane Extruder Line 2 Geomembrane Extruder Line 3 Geomembrane Extruder Line 4 Geomembrane Extruder Line 5 Geonet Extruder/Lamination Facility for Geocomposite Production. Pipe Extruder-1 Welding Rod Extruders – 8 lines	Line 1 Geomembrane Extruder Line 2 Geomembrane Extruder Pipe Extruder- 1
Personnel:	80	20

Production Capacity: Total USA – 157,200,000 lbs/year

Laboratory: Fully equipped Geosynthetic Research Institute accredited laboratory for 17 ASTM test methods relating to the geomembrane production.

Paul Barker (VP)

Paul W. Barker, Technical Director

Date: September 16, 2010

High Density Polyethylene Micro Spike® Liner

Product Data

Property	Test Method	Values				
Thickness, nominal (mm)		30 (.75)	40 (1.0)	60 (1.5)	80 (2.0)	100 (2.5)
Thickness (min. ave.), mil (mm)	ASTM D5994*	29 (.71)	38 (.95)	57 (1.43)	76 (1.90)	95 (2.38)
Thickness (lowest indiv. for 8 of 10 spec.), mil (mm)	ASTM D5994*	27 (.68)	36 (.90)	54 (1.35)	72 (1.80)	90 (2.25)
Thickness (lowest indiv. for 1 of 10 spec.), mil (mm)	ASTM D5994*	26 (.64)	34 (.85)	51 (1.28)	68 (1.70)	85 (2.13)
*The thickness values may be changed due to project specifications (i.e., absolute minimum thickness)						
Asperity Height (min. ave.), mil (mm)	GRI GM12	16 (.41)	16 (.41)	16 (.41)	16 (.41)	16 (.41)
Density, g/cc, minimum	ASTM D792, Method B	0.94	0.94	0.94	0.94	0.94
Tensile Properties (ave. both directions)	ASTM D6693, Type IV					
Strength @ Yield (min. ave.), lb/in width (N/mm)	2 in/minute	66 (11.6)	88 (15.4)	132 (23.1)	176 (30.8)	220 (38.5)
Elongation @ Yield (min. ave.), % (GL=1.3in)	5 specimens in each direction	13	13	13	13	13
Strength @ Break (min. ave.), lb/in width (N/mm)		66 (11.6)	88 (15.4)	132 (23.1)	176 (30.8)	220 (38.5)
Elongation @ Break (min. ave.), % (GL=2.0in)		350	350	350	350	350
Tear Resistance (min. ave.), lbs. (N)	ASTM D1004	23 (102)	30 (133)	45 (200)	60 (267)	72 (320)
Puncture Resistance (min. ave.), lbs. (N)	ASTM D4833	60 (267)	90 (400)	120 (534)	150 (667)	180 (801)
Carbon Black Content (range in %)	ASTM D4218	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3
Carbon Black Dispersion (Category)	ASTM D5596	Only near spherical agglomerates for 10 views: 9 views in Cat. 1 or 2, and 1 view in Cat. 3				
Stress Crack Resistance (Single Point NCTL), hours	ASTM D5397, Appendix	300	300	300	300	300
Oxidative Induction Time, minutes	ASTM D3895, 200°C, 1 atm O_2	≥100	≥100	≥100	≥100	≥100
Melt Flow Index, g/10 minutes	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Oven Aging	ASTM D5721	80	80	80	80	80
with HP OIT, (% retained after 90 days)	ASTM D5885, 150°C, 500psi O_2					
UV Resistance	GRI GM11	20hr. Cycle @ 75°C/4 hr. dark condensation @ 60°C				
with HP OIT, (% retained after 1600 hours)	ASTM D5885, 150°C, 500psi O_2	50	50	50	50	50

These product specifications meet or exceed GRI's GM13

Supply Information (Standard Roll Dimensions)

Thickness mil	Thickness mm	Width ft	Width m	Length ft	Length m	Area (approx.) ft²	Area (approx.) m²	Weight (average) lbs	Weight (average) kg
30	.75	23	7	600.1	182.9	13,782	1,280	3,325	1,510
40	1.0	23	7	600.1	182.9	13,782	1,280	3,325	1,510
60	1.5	23	7	410.1	125	9,419	875	3,356	1,522
80	2.0	23	7	328.1	100	7,535	700	3,306	1,500
100	2.5	23	7	246.1	75	5,651	525	3,167	1,436

Notes:
All rolls are supplied with two slings. All rolls are wound on a 6 inch core. Special roll lengths are available on request.

All information, recommendations and suggestions appearing in this literature concerning the use of our products are based upon tests and data believed to be reliable; however, it is the users responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made by Agru/America as to the effects of such use or the results to be obtained, nor does Agru/America assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein is to be construed as permission or as a recommendation to infringe any patent.

500 Garrison Road, Georgetown, South Carolina 29440 843-546-0600 800-373-2478 Fax: 843-527-2738
email: salesmkg@agruamerica.com www.agruamerica.com

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Juan Velazquez
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	792,120	Bees Ferry Landfill	Charleston, SC	Mar-09
60 mil HDPE Textured	28,290	Cell 2		
Geocomposite	728,000			
Reinforced GCL	729,000			
Rain Flap (linear feet)	1,900			
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09
40 mil HDPE	72,300	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09
40 mil Polyethylene	7,475			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Smooth	997,256	Sampson Co. Landfill	Roseboro, NC	Jun-09
60 mil HDPE Textured	718,952	cell 7		
DS Geocomposite	704,700			
SS Geocomposite	739,500			
Rain Cover	490,800			
40 mil HDPE	1,800	Uniontown Bible Church	Union Bridge, MD	Nov-09
		PVC Pond		
30 mil PVC	55,000	Costco Retention Basins	Monrovia, MD	Oct-09

6,324,243

*IAGI- Certified Welder Technician (CWT)

EL PASO MERCHANT ENERGY
MPA BASIN CONSTRUCTION
EL DORADO REFINERY
EL DORADO, KS

Submittal #2

7.2.2 - 60 mil HDPE Geomembrane Liner

- Manufacturer Company Background- Agru America
- Material Product Data Sheet- 60 HDPE Microspike
- Manufacturer QC Manual
- Manufacturer Installation Manual
- Manufacturer Qualifications
- Manufacturer Sample Warranty- 1 yr
- Manufacturer Material Clarifications

PREPARED BY:
Hallaton, Inc.
1206 Sparks Road
Sparks, MD 21152
September 16, 2010

Marcial Ramos
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	792,120	Bees Ferry Landfill	Charleston, SC	Mar-09
60 mil HDPE Textured	28,290	Cell 2		
Geocomposite	728,000			
Reinforced GCL	729,000			
Rain Flap (linear feet)	1,900			
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09
40 mil HDPE	72,300	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09
40 mil Polyethylene	7,475			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Smooth	997,256	Sampson Co. Landfill	Roseboro, NC	Jun-09
60 mil HDPE Textured	718,952	cell 7		
DS Geocomposite	704,700			
SS Geocomposite	739,500			
Rain Cover	490,800			
40 mil HDPE	1,800	Uniontown Bible Church	Union Bridge, MD	Nov-09
		PVC Pond		
30 mil PVC	55,000	Costco Retention Basins	Monrovia, MD	Oct-09

*IAGI- Certified Welder Technician (CWT)

Carlos Sanchez
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	792,120	Bees Ferry Landfill	Charleston, SC	Mar-09
60 mil HDPE Textured	28,290	Cell 2		
Geocomposite	728,000			
Reinforced GCL	729,000			
Rain Flap (linear feet)	1,900			
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09
40 mil HDPE	72,300	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09
40 mil Polyethylene	7,475			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Smooth	997,256	Sampson Co. Landfill	Roseboro, NC	Jun-09
60 mil HDPE Textured	718,952	cell 7		
DS Geocomposite	704,700			
SS Geocomposite	739,500			
Rain Cover	490,800			
40 mil HDPE	1,800	Uniontown Bible Church	Union Bridge, MD	Nov-09
		PVC Pond		
30 mil PVC	55,000	Costco Retention Basins	Monrovia, MD	Oct-09

*IAGI- Certified Welder Technician (CWT)

Luis Ordonez
Geomembrane Experience Resume - 2009

Master Seamer the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	151,200	Bear Island Industrial Landfill	Ashland, VA	Jan-09
60 mil HDPE Textured	37,720	Cell 4		
6oz. Geotextile	189,000			
Bentomat ST	90,000	Perryville WWTP	Perryville, MD	May-09
40 mil. LLDPE Textured	55,500	Loyola IAC	Baltimore, MD	Apr-09
Geocomposite	55,500	Phase 3		
16 oz. Geotextile	55,500			
60 mil HDPE Textured	103,730	Williams Station	Goose Creek, SC	Jun-09
Geotextile	173,700			
40 mil HDPE Textured	27,600	Proctor & Gamble	Andover, MA	Jun-09
24 oz. Geotextile	22,500			
60 mil HDPE Textured	11,600	Silver Spring Transit Center	Silver Spring, MD	Jun-09
10 oz. Geotextile	11,600			
40 mil LLDPE Smooth	685,125	Ft. Detrick Area B Waste Disposal	Ft. Detrick, MD	Oct-09
40 mil LLDPE Textured	47,250	Capping Project		
SS Geocomposite	702,235			
DS Geocomposite	42,900			
8 oz. Geotextile	648,000			

***IAGI- Certified Welding Technician (CWT)**

Roberto Ordonez
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity	Project	Location	Date
45 mil Hypalon	29,000	Boonsboro Floating Cover	Boonsboro, MD	Apr-09
40 mil. LLDPE Textured	504,000	Johnston Co. MSW Landfill	Smithfield, NC	Apr-09
60 mil. HDPE Textured	362,700	Cell 3		
Bentomat SDN	365,400			
DS Composite	812,000			
12 oz. Geotextile	28,800			
12 BBR Rain Cover	360,000			
60 mil. HDPE Textured	528,080	Bedford County Landfill	Bedford, VA	Feb-09
Reinforced GCL	530,700	Phase 1, Cell C		
10 oz. Geotextile	414,000			
Geocomposite	163,300			
60 mil HDPE	607,000	Candler Road	Gainesville, GA	Aug-09
GCL	607,000			
Geocomposite	35,500			
Raincover	310,800			
60 mil HDPE Textured	786,000	Veolia ES Greentree Landfill	Kersey, PA	Aug-09
DS Geocomposite	402,499	cell 15		
32 oz. Geotextile	393,000			
250 mil Geonet				
40 mil HDPE	2,660	AFMIC Bioretention Ponds	Ft. Detrick, MD	Aug-09
60 mil HDPE Textured	452,640	White Oak Landfill	Waynesville, NC	Oct-09
16 oz. Geotextile	453,600	Phase 3		
DS Composite	23,345			
Rain Cover	456,000			
40 mil LLDPE Textured	524,600	Greenwood Co. Landfill	Greenwood, SC	Jul-09
DS Composite	580,000	Cell 2		
60 mil HDPE Textured	759,000	Nickerson WWTP	Nickerson, KS	Oct-09
40 mil HDPE Textured	621,000			
200 mil Geonet	618,800			
60 mil HDPE Textured	1,178,520	Cliffside CCP Landfill	Cliffside, NC	Oct-09
GCL	1,150,575	Phase 1		
Geocomposite	1,134,000			
6 oz. Geotextile	20,700			
28 oz. Geotextile	6,750			
60 mil HDPE Textured	1,005,500	Loudon Co. Landfill	Leesburg, VA	Sep-09
GCL	1,005,100	Cell 1A construction &		
Geocomposite	1,005,600	Sequence III cap		
40 mil HDPE Smooth	62,900			
Rain Cover	1,200,000			
40 mil LLDPE Textured	103,010			
Geocomposite	103,010			

*** IAGI- Certified Welding Technician (CWT)**

Martin Martinez
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	273,470	Habersham Co. Landfill	Mt. Airy, GA	Jan-09
60 mil HDPE Smooth	18,900	Cell 4		
GCL	292,500			
Geocomposite	274,400			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Textured	786,000	Veolia ES Greentree Landfill	Kersey, PA	Aug-09
DS Geocomposite	402,499	cell 15		
32 oz. Geotextile	393,000			
250 mil Geonet				
60 mil HDPE Textured	773,262	Pleasants Power Station	Willow Island, WV	Sep-09
GCL	774,297	McElroy's Run CCB Landfill		
DS Geocomposite	780,102	Stage 1G		
8 oz. Geotextile	20,700			
60 mil HDPE Textured	452,640	White Oak Landfill	Waynesville, NC	Oct-09
16 oz. Geotextile	453,600	Phase 3		
DS Composite	23,345			
Rain Cover	456,000			
60 mil HDPE Textured	759,000	Nickerson WWTP	Nickerson, KS	Oct-09
40 mil HDPE Textured	621,000			
200 mil Geonet	618,800			
60 mil HDPE Textured	162,285	Nottoway Co. Landfill	Blackstone, VA	Oct-09
12 oz. Geotextile	162,285	Cell 4		
Rain Cover	170,000			
60 mil HDPE Textured	1,005,500	Loudon Co. Landfill	Leesburg, VA	Sep-09
GCL	1,005,100	Cell 1A construction &		
Geocomposite	1,005,600	Sequence III cap		
40 mil HDPE Smooth	62,900			
Rain Cover	1,200,000			
40 mil LLDPE Textured	103,010			
Geocomposite	103,010			

* IAGI- Certified Welding Technician (CWT)

Ramiro Olvera Sr.
Geomembrane Experience Resume - 2009

Master Seamer the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	151,200	Bear Island Industrial Landfill	Ashland, VA	Jan-09
60 mil HDPE Textured	37,720	Cell 4		
6oz. Geotextile	189,000			
Bentomat ST	90,000	Perryville WWTP	Perryville, MD	May-09
40 mil. LLDPE Textured	55,500	Loyola IAC	Baltimore, MD	Apr-09
Geocomposite	55,500	Phase 3		
16 oz. Geotextile	55,500			
60 mil HDPE Textured	103,730	Williams Station	Goose Creek, SC	Jun-09
Geotextile	173,700			
40 mil HDPE Textured	27,600	Proctor & Gamble	Andover, MA	Jun-09
24 oz. Geotextile	22,500			
60 mil HDPE Textured	11,600	Silver Spring Transit Center	Silver Spring, MD	Jun-09
10 oz. Geotextile	11,600			
40 mil LLDPE Smooth	685,125	Ft. Detrick Area B Waste Disposal	Ft. Detrick, MD	Oct-09
40 mil LLDPE Textured	47,250	Capping Project		
SS Geocomposite	702,235			
DS Geocomposite	42,900			
8 oz. Geotextile	648,000			

*IAGI- Certified Welding Technician (CWT)

Juan Carlos Fernandez
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	792,120	Bees Ferry Landfill	Charleston, SC	Mar-09
60 mil HDPE Textured	28,290	Cell 2		
Geocomposite	728,000			
Reinforced GCL	729,000			
Rain Flap (linear feet)	1,900			
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09
40 mil HDPE	72,300	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09
40 mil Polyethylene	7,475			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Smooth	997,256	Sampson Co. Landfill	Roseboro, NC	Jun-09
60 mil HDPE Textured	718,952	cell 7		
DS Geocomposite	704,700			
SS Geocomposite	739,500			
Rain Cover	490,800			
40 mil HDPE	1,800	Uniontown Bible Church	Union Bridge, MD	Nov-09
		PVC Pond		
30 mil PVC	55,000	Costco Retention Basins	Monrovia, MD	Oct-09

*IAGI- Certified Welder Technician (CWT)

Cesar Lugo
Geomembrane Experience Resume - 2009

Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	273,470	Habersham Co. Landfill	Mt. Airy, GA	Jan-09
60 mil HDPE Smooth	18,900	Cell 4		
GCL	292,500			
Geocomposite	274,400			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Textured	786,000	Veolia ES Greentree Landfill	Kersey, PA	Aug-09
DS Geocomposite	402,499	cell 15		
32 oz. Geotextile	393,000			
250 mil Geonet				
60 mil HDPE Textured	773,262	Pleasants Power Station	Willow Island, WV	Sep-09
GCL	774,297	McElroy's Run CCB Landfill		
DS Geocomposite	780,102	Stage 1G		
8 oz. Geotextile	20,700			
60 mil HDPE Textured	452,640	White Oak Landfill	Waynesville, NC	Oct-09
16 oz. Geotextile	453,600	Phase 3		
DS Composite	23,345			
Rain Cover	456,000			
60 mil HDPE Textured	759,000	Nickerson WWTP	Nickerson, KS	Oct-09
40 mil HDPE Textured	621,000			
200 mil Geonet	618,800			
60 mil HDPE Textured	162,285	Nottoway Co. Landfill	Blackstone, VA	Oct-09
12 oz. Geotextile	162,285	Cell 4		
Rain Cover	170,000			
60 mil HDPE Textured	1,005,500	Loudon Co. Landfill	Leesburg, VA	Sep-09
GCL	1,005,100	Cell 1A construction &		
Geocomposite	1,005,600	Sequence III cap		
40 mil HDPE Smooth	62,900			
Rain Cover	1,200,000			
40 mil LLDPE Textured	103,010			
Geocomposite	103,010			

* IAGI- Certified Welding Technician (CWT)

Chris Holloway
Geomembrane Experience Resume - 2009

QA/QC on the following job sites:

Material	Quantity	Project	Location	Date
45 mil Hypalon	29,000	Boonsboro Floating Cover	Boonsboro, MD	Apr-09
40 mil. LLDPE Textured	504,000	Johnston Co. MSW Landfill	Smithfield, NC	Apr-09
60 mil. HDPE Textured	362,700	Cell 3		
Bentomat SDN	365,400			
DS Composite	812,000			
12 oz. Geotextile	28,800			
12 BBR Rain Cover	360,000			
60 mil. HDPE Textured	528,080	Bedford County Landfill	Bedford, VA	Feb-09
Reinforced GCL	530,700	Phase 1, Cell C		
10 oz. Geotextile	414,000			
Geocomposite	163,300			
60 mil HDPE	607,000	Candler Road	Gainesville, GA	Aug-09
GCL	607,000			
Geocomposite	35,500			
Raincover	310,800			
60 mil HDPE Textured	786,000	Veolia ES Greentree Landfill	Kersey, PA	Aug-09
DS Geocomposite	402,499	cell 15		
32 oz. Geotextile	393,000			
250 mil Geonet				
40 mil HDPE	2,660	AFMIC Bioretention Ponds	Ft. Detrick, MD	Aug-09
60 mil HDPE Textured	452,640	White Oak Landfill	Waynesville, NC	Oct-09
16 oz. Geotextile	453,600	Phase 3		
DS Composite	23,345			
Rain Cover	456,000			
40 mil LLDPE Textured	524,600	Greenwood Co. Landfill	Greenwood, SC	Jul-09
DS Composite	580,000	Cell 2		
60 mil HDPE Textured	759,000	Nickerson WWTP	Nickerson, KS	Oct-09
40 mil HDPE Textured	621,000			
200 mil Geonet	618,800			
60 mil HDPE Textured	1,178,520	Cliffside CCP Landfill	Cliffside, NC	Oct-09
GCL	1,150,575	Phase 1		
Geocomposite	1,134,000			
6 oz. Geotextile	20,700			
28 oz. Geotextile	6,750			
60 mil HDPE Textured	1,005,500	Loudon Co. Landfill	Leesburg, VA	Sep-09
GCL	1,005,100	Cell 1A construction &		
Geocomposite	1,005,600	Sequence III cap		
40 mil HDPE Smooth	62,900			
Rain Cover	1,200,000			
40 mil LLDPE Textured	103,010			
Geocomposite	103,010			

Victor Solorsano
Geomembrane Experience Resume - 2009

QA/QC on the following job sites:

Material	Quantity	Project	Location	Date
45 mil Hypalon	29,000	Boonsboro Floating Cover	Boonsboro, MD	Apr-09
40 mil. LLDPE Textured	504,000	Johnston Co. MSW Landfill	Smithfield, NC	Apr-09
60 mil. HDPE Textured	362,700	Cell 3		
Bentomat SDN	365,400			
DS Composite	812,000			
12 oz. Geotextile	28,800			
12 BBR Rain Cover	360,000			
60 mil. HDPE Textured	528,080	Bedford County Landfill	Bedford, VA	Feb-09
Reinforced GCL	530,700	Phase 1, Cell C		
10 oz. Geotextile	414,000			
Geocomposite	163,300			
60 mil HDPE	607,000	Candler Road	Gainesville, GA	Aug-09
GCL	607,000			
Geocomposite	35,500			
Raincover	310,800			
60 mil HDPE Textured	786,000	Veolia ES Greentree Landfill	Kersey, PA	Aug-09
DS Geocomposite	402,499	cell 15		
32 oz. Geotextile	393,000			
250 mil Geonet				
40 mil HDPE	2,660	AFMIC Bioretention Ponds	Ft. Detrick, MD	Aug-09
60 mil HDPE Textured	452,640	White Oak Landfill	Waynesville, NC	Oct-09
16 oz. Geotextile	453,600	Phase 3		
DS Composite	23,345			
Rain Cover	456,000			
40 mil LLDPE Textured	524,600	Greenwood Co. Landfill	Greenwood, SC	Jul-09
DS Composite	580,000	Cell 2		
60 mil HDPE Textured	759,000	Nickerson WWTP	Nickerson, KS	Oct-09
40 mil HDPE Textured	621,000			
200 mil Geonet	618,800			
60 mil HDPE Textured	1,178,520	Cliffside CCP Landfill	Cliffside, NC	Oct-09
GCL	1,150,575	Phase 1		
Geocomposite	1,134,000			
6 oz. Geotextile	20,700			
28 oz. Geotextile	6,750			
60 mil HDPE Textured	1,005,500	Loudon Co. Landfill	Leesburg, VA	Sep-09
GCL	1,005,100	Cell 1A construction &		
Geocomposite	1,005,600	Sequence III cap		
40 mil HDPE Smooth	62,900			
Rain Cover	1,200,000			
40 mil LLDPE Textured	103,010			
Geocomposite	103,010			

Edilzar Anzueto
Geomembrane Experience Resume - 2009

QA/QC & Master Seamer on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	792,120	Bees Ferry Landfill	Charleston, SC	Mar-09
60 mil HDPE Textured	28,290	Cell 2		
Geocomposite	728,000			
Reinforced GCL	729,000			
Rain Flap (linear feet)	1,900			
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09
40 mil HDPE	72,300	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09
40 mil Polyethylene	7,475			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Smooth	997,256	Sampson Co. Landfill	Roseboro, NC	Jun-09
60 mil HDPE Textured	718,952	cell 7		
DS Geocomposite	704,700			
SS Geocomposite	739,500			
Rain Cover	490,800			
40 mil HDPE	1,800	Uniontown Bible Church	Union Bridge, MD	Nov-09
		PVC Pond		
30 mil PVC	55,000	Costco Retention Basins	Monrovia, MD	Oct-09

*IAGI- Certified Welder Technician (CWT)

Gabriel Perez
Geomembrane Experience Resume - 2009

Master Seamer, QA/QC & Foreman the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	273,470	Habersham Co. Landfill	Mt. Airy, GA	Jan-09
60 mil HDPE Smooth	18,900	Cell 4		
GCL	292,500			
Geocomposite	274,400			
60 mil HDPE Smooth	151,200	Bear Island Industrial Landfill	Ashland, VA	Jan-09
60 mil HDPE Textured	37,720	Cell 4		
6oz. Geotextile	189,000			
45 mil PPR	241,800	Abu Dhabi Lagoons	Abu Dhabi, U.A.E.	Feb-09
60 mil HDPE Textured	244,888	Floating Cover		
40 mil. LLDPE Textured	55,500	Loyola IAC	Baltimore, MD	Apr-09
Geocomposite	55,500	Phase 3		
16 oz. Geotextile	55,500			
Bentomat ST	90,000	Perryville WWTP	Perryville, MD	May-09
60 mil HDPE Textured	103,730	Williams Station	Goose Creek, SC	Jun-09
Geotextile	173,700			
40 mil HDPE Textured	27,600	Proctor & Gamble	Andover, MA	Jun-09
24 oz. Geotextile	22,500			
60 mil HDPE Textured	11,600	Silver Spring Transit Center	Silver Spring, MD	Jun-09
10 oz. Geotextile	11,600			
60 mil HDPE Textured	773,262	Pleasants Power Station	Willow Island, WV	Sep-09
GCL	774,297	McElroy's Run CCB Landfill		
DS Geocomposite	780,102	Stage 1G		
8 oz. Geotextile	20,700			
40 mil LLDPE Smooth	685,125	Ft. Detrick Area B Waste Disposal	Ft. Detrick, MD	Oct-09
40 mil LLDPE Textured	47,250	Capping Project		
SS Geocomposite	702,235			
DS Geocomposite	42,900			
8 oz. Geotextile	648,000			

*IAGI- Certified Welding Technician (CWT)

Alex Lopez
Geomembrane Experience Resume - 2008

Foreman/Supervisor the following job sites:

Material	Quantity (sf)	Project	Location	Date
Tenflow DS Composite 40 mil LLDPE 16 oz Geotextile 8 oz Geotextile	750,000 750,000 750,000 135,000	Loyola College Athletic Complex	Baltimore, MD	Mar-08
60 mil HDPE Smooth 60 mil HDPE Microspike 40 mil LLDPE Smooth Bentomat DN 16 oz Geotextile Woven Geotextile	572,615 265,920 1,705 263,060 864,000 604,233	Quarantine Rd. Landfill - Cell 6	Baltimore, MD	Apr-08
80 mil HDPE Smooth	720	Indian Head Tank Liner - Area 1990	Indian Head, MD	Feb-08
Bentomat CL	1,651,500	Wateree Station - Class 2 Landfill	Eastover, SC	Nov-08
60 mil HDPE 12oz. Geotextile 16oz. Geotextile	230,000 230,000 230,000	East End Landfill - Cell 4 Construct.	Richmond, VA	Aug-08

***IAGI- Certified Welding Technician (CWT)**

Alex Lopez
Geomembrane Experience Resume - 2007

Foreman/Supervisor the following job sites:

Material	Quantity (sf)	Project	Location	Date
80 mil LLDPE TX	29,000	BWI East Tenant Lot	Baltimore, MD.	Aug-07
40 Mil LLDPE TX 10oz Textile DS Composite	379,500 384,750 375,200	Anacostia LF Cap	Hyattsville, MD.	Oct-07
Bentomat ST Clay Liner	18,900	Waynesboro GCL Pond	Waynesboro, PA.	Sep-07
40 mil HD TX	55,200	Mystic Harbor WWTP	Berlin, MD	Oct-07
60 mil HDPE, Sm TN220 Drainage net 10 oz Geotextile	31,000 22,500 22,500	Tank Lining Secondary Containment	Salunga, PA	Sep-07
60 mil HDPE, Tx 60 mil HDPE, Sm 10 oz geotextile Composite	177,215 255,725 255,725 381,990	Charles Co. LF	Waldorf, MD	Dec-07
80 Mil LLDPE SM	60,375	Dundalk Marine Terminal	Dundalk, MD.	Dec-08
Bentomat ST 40 mil LLDPE Tex DS Composite Claymas 200R	805,500 1,072,260 2,136,400 270,000	Tuscarora LF	New Bern, NC	Jan-07
45 mil PPL	2,520	Smithsonian Butterfly House	Washington, DC	Mar-07
60 mil HDPE TX	242,450	Courtland Farms LF	Leesburg, VA	Apr-07
Bentomant ST Geocomposite 40 mil LL TX Rain Cover	525,000 525,000 525,000 483,000	Johnston Co. LF	Smithfield, NC.	May-07

***IAGI- Certified Welding Technician (CWT)**

9,036,710

Mauricio Sanchez
Geomembrane Experience Resume - 2007

Superintendant & QC Supervisor on the following job sites:

Material	Quantity (sf)	Project	Location	Date
45 Mil PPR	88,181	Baltimore SWMP	Baltimore, MD	Aug-08
80 Mil LLDPE TX	29,000	BWI East Tenant Lot	Baltimore, Md.	Aug-07
40 Mil HDPE TX	225,000	Midshore LF	Easton, MD	May-07
40 Mil HDPE SM	126,000			
60 Mil HDPE Sm	225,000			
60 Mil HDPE TX	126,000			
DS Composite	702,000			
Bentomat ST	40,000	Blue Ridge Paper	Canton, NC.	Jul-08
60 Mil HDPE TX	40,000			
16 oz NW Geotextile	40,000			
60 Mil HD TX	518,500	Butcher Creek LF	Chase City, VA.	Oct-07
10oz Geotextile	478,800			
6oz Geotextile	472,500			
DS Composite	22,400			
12 Mil Rain Cover	481,000			
60 Mil HD Rain Flap	18,860			
45 Mil PPR	115,200	Hanover Foods	Hanover, PA.	Aug-07
SS Composite	14,000			
40 Mil LL TX	813,852	Horry Co. LF	Conway, SC	Oct-07
DS Composite	813,852			
16oz Geotextile	49,500	Raymark PVC	Manhiem, PA.	Sep-07

***IAGI- Certified Welder Technician (CWT)**

5,439,645

Alex Lopez
Geomembrane Experience Resume - 2009

Foreman/Supervisor the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	151,200	Bear Island Industrial Landfill	Ashland, VA	Jan-09
60 mil HDPE Textured	37,720	Cell 4		
6oz. Geotextile	189,000			
Bentomat ST	90,000	Perryville WWTP	Perryville, MD	May-09
40 mil. LLDPE Textured	55,500	Loyola IAC	Baltimore, MD	Apr-09
Geocomposite	55,500	Phase 3		
16 oz. Geotextile	55,500			
60 mil HDPE Textured	103,730	Williams Station	Goose Creek, SC	Jun-09
Geotextile	173,700			
40 mil HDPE Textured	27,600	Proctor & Gamble	Andover, MA	Jun-09
24 oz. Geotextile	22,500			
60 mil HDPE Textured	11,600	Silver Spring Transit Center	Silver Spring, MD	Jun-09
10 oz. Geotextile	11,600			
60 mil HDPE Textured	773,262	Pleasants Power Station	Willow Island, WV	Sep-09
GCL	774,297	McElroy's Run CCB Landfill		
DS Geocomposite	780,102	Stage 1G		
8 oz. Geotextile	20,700			
40 mil LLDPE Smooth	685,125	Ft. Detrick Area B Waste Disposal	Ft. Detrick, MD	Oct-09
40 mil LLDPE Textured	47,250	Capping Project		
SS Geocomposite	702,235			
DS Geocomposite	42,900			
8 oz. Geotextile	648,000			

***IAGI- Certified Welding Technician (CWT)**

Mauricio Sanchez
Geomembrane Experience Resume - 2009

Superintendant & QC Supervisor on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	575,230	Indian River Power Plant	Millsboro, DE	Sep-09
DS Composite	542,500	Cell 1		
10oz. Geotextile	564,300			
Bentomat SDN	292,500			
Bentomat DN	271,875			
60 mil HDPE Smooth	792,120	Bees Ferry Landfill	Charleston, SC	Mar-09
60 mil HDPE Textured	28,290	Cell 2		
Geocomposite	728,000			
Reinforced GCL	729,000			
Rain Flap (linear feet)	1,900			
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09
40 mil HDPE	72,300	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09
40 mil Polyethylene	7,475			
60 mil HDPE Textured	169,740	Battle Creek Landfill	Luray, VA	Aug-09
40 mil LLDPE Textured	331,200	Cell 9 & Phase 1		
DS Geocomposite	285,000			
10 oz. Geotextile	180,000			
Rain Cover	106,320			
60 mil HDPE Smooth	997,256	Sampson Co. Landfill	Roseboro, NC	Jun-09
60 mil HDPE Textured	718,952	cell 7		
DS Geocomposite	704,700			
SS Geocomposite	739,500			
Rain Cover	490,800			
40 mil HDPE	1,800	Uniontown Bible Church PVC Pond	Union Bridge, MD	Nov-09
30 mil PVC	55,000	Costco Retantion Basins	Monrovia, MD	Oct-09

*IAGI- Certified Welder Technician (CWT)

Mauricio Sanchez
Geomembrane Experience Resume - 2008

Superintendant & QC Supervisor on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured	14,985	Gardiner Rd - Fire Pond	Waldorft, MD	Apr-08
36 mil Polypropylene	1,700	Millmont Pond	Reading, PA	Sep-08
XR-5 Geomembrane	1,724	Towson Transformer (CUPA)	Towson, MD	Sep-08
Stainless Steel Concrete Attachment (in linear feet)	372			
10oz. Non-woven Geotextile	1,724			
45 mil Polypropylene	36,000	Grindstone Campground Lagoon	Troutdale, VA	Oct-08
10oz. Geotextile	4,000			
60 mil HDPE MS	895,350	Horry Co. Landfill	Conway, SC	Nov-08
40 mil HDPE	139,125			
Trans net 22-2-6	896,000			
Bentomat ST	150,750	Albemarle MSW Landfill- Phase 2	Albemarle, NC	May-08
Claymax 200R	582,750			
60 HDPE Textured Liner	682,600			
DS Composite	682,600			
60 Mil HD Rain Flap	18,860			
45 Mil PPR	115,200	Hanover Foods	Hanover, PA.	Aug-07
SS Compsoite	14,000			
30 mil PVC	37,000	FedEx SWMP	Hagerstown, Md.	Sep-08

4,223,740

*IAGI- Certified Welder Technician (CWT)

Homero Telles
Geomembrane Experience Resume - 2008

Supervisor/Superintendant on the following job sites:

Material	Quantity	Project	Location	Date
60 HDPE-SS Textured	18,900	Days Cove Landfill - Cell D	White Marsh, MD	Apr-08
60 HDPE-DS Textured	120,300			
Bentomat ST	153,340			
SS Composite	10,500			
30 mil PVC Geomembrane	94,500	Industrial Center East	Frederick, MD	Apr-08
		SWM Pond		
60 mil HDPE Microspike	29,365	Ingleside @ King's Farm	Rockville, MD	Oct-08
Stainless Steel Concrete				
Attachment (in linear feet)	216			
60 mil HDPE Textured	529,300	MeadWestvaco	Covington, VA	Nov-08
Geocomposite	529,300			
6oz/sy Geotextile	529,300			
16oz/sy Geotextile	23,760			
30 mil PVC	89,600	Gas House Pike SWM	Frederick, MD	Jul-08
8oz GE-180	346,500			
DS Composite	360,500			
60 mil HDPE	230,000	East End Landfill - Cell 4 Construct.	Richmond, VA	Aug-08
12oz. Geotextile	230,000			
16oz. Geotextile	230,000			
DS Comp-Bottom	205,000	Rappahannock Co. Landfill	Amissville, VA	Nov-08
40 LL TX	190,500			
GCL	190,500			
DS Comp-Top	190,500			
36 mil Polypropylene	342,720	Hanover Foods Lagoon	Ridgley, MD	Sep-08

*** IAGI- Certified Welding Technician (CWT)**

4,644,601

Homero Telles
Geomembrane Experience Resume - 2007

Supervisor/Superintendant on the following job sites:

Material	Quantity	Project	Location	Date
40 Mil HDPE TX	225,000	Midshore LF	Easton, MD.	May-07
40 MIL HDPE SM	126,000			
60 MIL HDPE SM	225,000			
60 MIL HDPE TX	126,000			
DS Composite	702,000			
Bentomat ST	805,500	Tuscarora LF	New Bern, NC.	Jan-07
40 Mil LLDPE TX	1,072,260			
Claymat 200 R	270,000			
DS Composite	2,136,400			
45 Mil PPL	2,250	Smithsonian Butterfly House	Washington, DC	Mar-07
8oz GE-180	346,500	Courtland Farms LF	Leesburg, VA.	Apr-07
DS Composite	360,500			
40 Mil HDPE TX	50,200	Bowman SWMP	Williamsport, MD	Jul-07
40 Mil LLDPE TX	379,500	Anacostia LF Cap	Hyattesville, MD.	Oct-07
10 oz Textile	384,750			
DS Composite	375,200			
40 Mil LLDPE TX	362,250	New River LF	Dublin, VA.	Nov-07
8oz GE-180	346,500			
DS Compsoite	360,500			
Bentomat ST	525,000	Johnston Co. LF	Smithfield, NC.	May-07
Geocomposite	525,000			
Rain Cover	483,000			
80 Mil LLDPE SM	60,375	Dundalk Marine Terminal	Dundalk, MD.	Dec-07
12 oz Non Woven	108,000			
60 Mil HDPE DS TX	118,240	Charles Co. LF No.2 Cell 3A	Waldorf, MD.	Feb-08
60 Mil HDPE SS TX	9,450			
Geosynthetic Clay Liner	153,340			
SS Composite	9,450			

*** IAGI- Certified Welding Technician (CWT)**

10,648,165

Arturo Sanchez
Geomembrane Experience Resume - 2007

Supervisor/Superintendant on the following job sites:

Material	Quantity (sf)	Project	Location	Date
80 mil LLDPE TX	29,000	BWI East Tenant Lot	Baltimore, MD.	Aug-07
40 Mil LLDPE TX 10oz Textile DS Composite	379,500 384,750 375,200	Anacostia LF Cap	Hyattsville, MD.	Oct-07
Bentomat ST Clay Liner	18,900	Waynesboro GCL Pond	Waynesboro, PA.	Sep-07
40 mil HD TX	55,200	Mystic Harbor WWTP	Berlin, MD	Oct-07
60 mil HDPE, Sm TN220 Drainage net 10 oz Geotextile	31,000 22,500 22,500	Tank Lining Secondary Containment	Salunga, PA	Sep-07
60 mil HDPE, Tx 60 mil HDPE, Sm 10 oz geotextile Composite	177,215 255,725 255,725 381,990	Charles Co. LF	Waldorf, MD	Dec-07
80 Mil LLDPE SM	60,375	Dundalk Marine Terminal	Dundalk, MD.	Dec-08

2,449,580

Homero Telles
Geomembrane Experience Resume - 2009

Supervisor/Superintendant on the following job sites:

Material	Quantity	Project	Location	Date
45 mil Hypalon	29,000	Boonsboro Floating Cover	Boonsboro, MD	Apr-09
40 mil. LLDPE Textured 60 mil. HDPE Textured Bentomat SDN DS Composite 12 oz. Geotextile 12 BBR Rain Cover	504,000 362,700 365,400 812,000 28,800 360,000	Johnston Co. MSW Landfill Cell 3	Smithfield, NC	Apr-09
60 mil. HDPE Textured Reinforced GCL 10 oz. Geotextile Geocomposite	528,080 530,700 414,000 163,300	Bedford County Landfill Phase 1, Cell C	Bedford, VA	Feb-09
60 mil HDPE GCL Geocomposite Raincover	607,000 607,000 35,500 310,800	Candler Road	Gainesville, GA	Aug-09
60 mil HDPE Textured DS Geocomposite 32 oz. Geotextile 250 mil Geonet	786,000 402,499 393,000	Veolia ES Greentree Landfill cell 15	Kersey, PA	Aug-09
40 mil HDPE	2,660	AFMIC Bioretention Ponds	Ft. Detrick, MD	Aug-09
60 mil HDPE Textured 16 oz. Geotextile DS Composite Rain Cover	452,640 453,600 23,345 456,000	White Oak Landfill Phase 3	Waynesville, NC	Oct-09
40 mil LLDPE Textured DS Composite	524,600 580,000	Greenwood Co. Landfill Cell 2	Greenwood, SC	Jul-09
60 mil HDPE Textured 40 mil HDPE Textured 200 mil Geonet	759,000 621,000 618,800	Nickerson WWTP	Nickerson, KS	Oct-09
60 mil HDPE Textured GCL Geocomposite 6 oz. Geotextile 28 oz. Geotextile	1,178,520 1,150,575 1,134,000 20,700 6,750	Cliffside CCP Landfill Phase 1	Cliffside, NC	Oct-09
60 mil HDPE Textured GCL Geocomposite 40 mil HDPE Smooth Rain Cover 40 mil LLDPE Textured Geocomposite	1,005,500 1,005,100 1,005,600 62,900 1,200,000 103,010 103,010	Loudon Co. Landfill Cell 1A construction & Sequence III cap	Leesburg, VA	Sep-09

* IAGI- Certified Welding Technician (CWT)

Arturo Sanchez
Geomembrane Experience Resume - 2009

Supervisor/Superintendant on the following job sites:

Material	Quantity (sf)	Project	Location	Date
60 mil HDPE Textured 60 mil HDPE Smooth GCL Geocomposite	273,470 18,900 292,500 274,400	Habersham Co. Landfill Cell 4	Mt. Airy, GA	Jan-09
45 mil PPR 60 mil HDPE Textured	241,800 244,888	Abu Dhabi Lagoons Floating Cover	Abu Dhabi, U.A.E.	Feb-09
60 mil HDPE Textured 40 mil LLDPE Textured DS Geocomposite 10 oz. Geotextile Rain Cover	169,740 331,200 285,000 180,000 106,320	Battle Creek Landfill Cell 9 & Phase 1	Luray, VA	Aug-09
60 mil HDPE Textured DS Geocomposite 32 oz. Geotextile 250 mil Geonet	786,000 402,499 393,000	Veolia ES Greentree Landfill cell 15	Kersey, PA	Aug-09
60 mil HDPE Textured GCL DS Geocomposite 8 oz. Geotextile	773,262 774,297 780,102 20,700	Pleasants Power Station McElroy's Run CCB Landfill Stage 1G	Willow Island, WV	Sep-09
60 mil HDPE Textured 16 oz. Geotextile DS Composite Rain Cover	452,640 453,600 23,345 456,000	White Oak Landfill Phase 3	Waynesville, NC	Oct-09
60 mil HDPE Textured 40 mil HDPE Textured 200 mil Geonet	759,000 621,000 618,800	Nickerson WWTP	Nickerson, KS	Oct-09
60 mil HDPE Textured 12 oz. Geotextile Rain Cover	162,285 162,285 170,000	Nottoway Co. Landfill Cell 4	Blackstone, VA	Oct-09
60 mil HDPE Textured GCL Geocomposite 40 mil HDPE Smooth Rain Cover 40 mil LLDPE Textured Geocomposite	1,005,500 1,005,100 1,005,600 62,900 1,200,000 103,010 103,010	Loudon Co. Landfill Cell 1A construction & Sequence III cap	Leesburg, VA	Sep-09

* IAGI- Certified Welding Technician (CWT)

Arturo Sanchez
Geomembrane Experience Resume - 2008

Supervisor/Superintendant on the following job sites:

Material	Quantity (sf)	Project	Location	Date
40 mil HDPE Textured	13,800	Brookeville Park SWM pond	Silver Spring, MD	Jan-08
Tenflow DS Composite 40 mil LLDPE 16 oz Geotextile 8 oz Geotextile	750,000 750,000 750,000 135,000	Loyola College Athletic Complex	Baltimore, MD	Mar-08
60 mil HDPE Smooth 60 mil HDPE Microspike 40 mil LLDPE Smooth Bentomat DN 16 oz Geotextile Woven Geotextile	572,615 266,920 1,705 263,060 864,000 604,233	Quarantine Rd. Landfill - Cell 6	Baltimore, MD	Apr-08
60 mil HDPE MS 40 mil HDPE Trans net 22-2-6	895,350 139,125 896,000	Horry Co. Landfill	Conway, SC	Nov-08
Bentomat ST Claymax 200R 60 HDPE Textured Liner DS Composite	150,750 582,750 682,600 682,600	Albemarle MSW Landfill- Phase 2	Albemarle, NC	May-08
30 Mil PVC SS Concrete Attachments	29,845 286 lf	Shockley Honda PVC Ponds	Frederick, MD.	Oct-08
DS Composite 40 mil LLDPE Textured Liner	1,923,600 1,932,000	North Wake Landfill	Raleigh, NC.	Aug-08

12,884,953

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Hallaton, Inc.
Geomembrane Experience Resume - 2006

Material	Quantity	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE SM Composite Geotextile	1,086,750 1,088,400 40,000	Central Landfill, Cell 4	Newark, MD	Aug-06	Worchester County Dept. of Public Works John Tustin 410-632-3766	Weston Solutions Pat Doran 610-701-3138	GW Griffith & Associates, LLC Gerv Griffin 410-632-1800
40 mil HDPE TX Geotextile	448,500 51,000	GE Landfill, Cap	Rome, GA	Aug-06	General Electric	Compass Environmental	ACC
30 mil HDPE SM 10 oz Geotextile	81,000 81,000	York County Rec Complex	Stewartstown, PA	Aug-06	York Co. Solid Waste & Refuse Authority - David Vollero	Pavex, Inc. Edgar Rodrigez - 717-761-1502	ARM Engineering Jim Warnick
60 mil HDPE SM 60 mil HDPE TX GCL Composite Geonet 8 oz Geotextile	532,170 306,590 837,825 266,000 560,000 569,250	Marshall Station Landfill, Cell	Terell, NC	Aug-06	Duke Power Aaron Kitzmiller 828-478-7774	Phillips & Jordan, Inc. Bruce Sekaly 336-478-0265	Chas H Sells, Inc Dan Brewer 704-662-0100
60 mil HDPE TX 80 oz Geotextile	23,000 10,000	Kinder Morgan Liquids Terminals	Carteret, NJ	Sep-06	Kinder Morgan Joe Van der Veken 732-541-5161, ext.5620	Hallaton, Inc.	KMLT/River Consulting
40 mil LLDPE TX Tri-planar composite Bi-planar composite	2,806,000 1,542,340 1,245,000	Hernwood Landfill, Cap	Woodstock, MD	Oct-06	Baltimore County Government Steve Lippy 410-887-2009	Pavex Brent Gallagher 717-761-1502	EA Engineering Darl Kolar 410-771-4950
Woven Geotextile 10 oz Geotextile GCL 60 mil LLDPE	188,058 360,000 549,000 557,550	WR Grace Landfill, Cap	Baltimore, MD	Oct-06	WR Grace & Co.	Entact Kurt Gimbel 484-444-0702	GeoTrans, Inc. Gerald DeMers, PE
60 mil HDPE TX 16 oz non-woven geotextile 12 oz non-woven geotextile Composite	235,750 153,000 130,500 94,500	Shenandoah Landfill, Cell	Edinburg, VA	Oct-06	Shenandoah County Government Vincent Poling 540-459-6165	Ryan, Inc. Central David Overley 608-754-2291	SCS Engineering Roger Moeller 703-471-6150
40 mil LLDPE TX Geocomposite	151,800 151,800	New Hanover County Landfill Cell 3B-5 Closure	Wilmington, NC	Oct-06	New Hanover Government Dan Weaver 910-798-7184	ES & J Enterprises Sherwood Lucas 910-567-6138	SCS Engineering Ed Hilton 813-621-0080
40 mil LLDPE TX Geocomposite	484,000 345,000	RB Baker Landfill, Closure	Queenstown, MD	Nov-06	RB Baker & Sons, Inc. Ted Baker 410-827-8831	David A. Bramble, Inc. Mike Brauer 410-778-3023	Century Engineering, Inc. Mike Armstrong 443-583-2400
40 mil HDPE SM Geotextile	37,138 72,000	Tank Lining , 2ndary Containment	Salunga, PA	Nov-06	Kline Services Shawn Perry 717-587-1927	Owner	

Hallaton, Inc.
Geomembrane Experience Resume - 2006

Material	Quantity	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE TX 60 mil HDPE SM GCL Composite	506,000 1,437,500 24,750 1,290,800	Northern Landfill, Cell SW-3	Westminster, MD	Dec-06	County Commissioners of Carroll County of MD J.Michael Evans 410-386-2043	Kibler Construction, Inc. Gary Tine 410-833-5345	Gannett Fleming, Inc. Jeffrey Stamm 410-585-1460
GCL 60 mil HDPE SM 16 oz Geotextile	404,550 396,000 396,000	Fairmont Rd. Landfill, Cell	Westover, MD	Dec-06	Somerset County Government Charles Cavanaugh 410-651-9641	Days Cove Reclamation Bob Oter 410-269-1654	MES Charles Peng 410-729-8300
40 mil LLDPE TX 8 oz Geotextile	13,800 18,000	LCSWA Bioretention Pond	Lancaster, PA	Dec-06	LCSWA Lancaster, PA	Wohlsen Construction Raleigh Osborne 717-299-2525	Gannett Fleming, Inc. Jeffrey Stamm 410-585-1460
40 mil HDPE SM 8 oz Geotextile	14,625 9,000	Mixing Pit Liner, Kline Facility	Salunga, PA	Dec-06	Kline Services Shawn Perry	Buckwalter & Assoc John Buckwalter 717-821-1874	

Hallaton, Inc.
Geomembrane Experience Resume - 2007

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE TX DS Composite 16 oz Geotextile Woven Geotextile Berm Rain Flap	161,000 173,600 2,146,500 1,182,195 30,200				Dept. of Waste Management 1220 Caraway Court, Suite 1050 Largo, MD 20774 Russ Yonkers 301-883-5969	4820 Southpoint Dr., Suite 205 Fredericksburg, VA 22407 Travis Ridky 540-898-8362	15 Loveton Cir. Sparks, MD 21152 Sam Davis 410-771-4950
Claymax 200R Bentomax ST 60 mil HDPE SM 60 mil HDPE TX Composite 10 oz Geotextile 4 oz Geotextile	867,173 242,064 867,173 242,064 1,059,586 867,173 174,421	Ritchie Rubble Landfill Phase II - Cell A & B	Upper Marlboro, MD	Oct-07	Pleasants Construction, Inc 24024 Frederick Rd. Clarksburg, MD 20871 Mike Ensor 301-428-0800	Ritchie Land Reclamation Partner 24012 Frederick Rd., Suite 200 Clarksburg, MD 20871 Jim Stewart 301-428-0800	EA Engineering 15 Loveton Cir. Sparks, MD 21152 Geoff Tizard 410-771-4950
40 mil LLDPE	12,000	NAS Patuxent Pad	Lexington Park, MD	Oct-07	US Government	Agviq, LLC 4663 Haygood Rd. Virginia Beach, Va. Jesse Cox 757-449-9262	
60 mil LLDPE TX Geotextile 110 30 mil PVC	1,357,000 1,513,350 151,500	I-70 SWM	Frederick, MD	Nov-07	State Highway Administration Devin Miller	Dewey Jordan 6309 Monocacy Blvd Frederick, MD 21701 Kim Koerting 301-662-3389	URS Corporation 4 North Park Dr., Suite 300 Hunt Valley, MD 21030 Wayne McFell 410-785-7220
60 mil HDPE TX Geosynthetic clay liner DS Composite	256,500 256,500 256,500	Honeygo Run Landfill - Cell 5	White Marsh, MD	Nov-07	Republic Services Honeygo LF 10710 Philadelphia Rd Perry Hall, MD 21128	Republic Services Honeygo LF 10710 Philadelphia Rd Perry Hall, MD 21128	Earth Tech 4 Neshaminy Interplex Suite 300 Trevose, PA 19053
40 mil LLDPE TX 8oz GE-180 DS Composite	362,250 346,500 360,500	New River LF Cap	Dublin, PA	Dec-07	New River Resource Authority 7100 Cloyds Mountain Rd. Dublin, VA. Joseph Levine	Shamrock Environmental 503 Patton Ave Greensboro, NC Henry Havener 336-375-1989	Thompson & Litton 6226 University Park Dr. Radford, VA. Kim Fisher 540-633-1897
40 mil HDPE TX	37,500	Wagamons West Shore	Milton, DE	Dec-07		Plesanton Excavating 1058 Middleneck Rd. Warwick, MD Anna Gralewski 410-755-6972	
60mil HDPE DS TX 60mil HDPE SS TX Geosynthetic clay liner SS Geocomposite	118,240 9,450 153,340 9,450	Charles Co. LF No 2 cell 3A	Waldorf, MD	Dec-07	Charles Co. Government Dept. of Public Facilities 10430 Audie Lane La Plata, MD 301-932-3599	Sargent Corporation 4820 Southpoint Dr. Suite 205 Fredericksburg, VA 22407 Travis Ridky 804-240-3382	KCI 10 North Park Dr. Hunt Valley, MD 21030 Jon Meyer 410-316-7800

Hallaton, Inc.
Geomembrane Experience Resume - 2006

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
60 mil LLDPE 12 oz Geotextile	140,000 267,000	Chester County Prison WWTP Lagoon	West Chester, PA	Mar-06	Chester County Government	HT Sweeney & Sons, Inc. Chuck Walther 610-872-8696	URS
36 mil Hypalon	640	Talbot County WWTP	St. Michaels, MD	Mar-06	Talbot County Government	Bearing Construction Jim Bearing 410-556-6100	
40 mil HDPE 250 mil DS Geocomposite 10 oz Geotextile	290,000 290,000 290,000	Modern Landfill Cap	York, PA	Apr-06	Republic Services Mark Pederson 717-246-2686	Owner	Earth Tech 717-244-2536
60 mil HDPE TX 60 mil HDPE SM 16 oz. Geotextile Geocomposite	85,000 482,000 442,800 76,000	Brown Station Landfill Cell 2	Upper Marlboro, MD	May-06	Prince Georges County Gov't Russ Yonkers 301-952-7634	Cherry Hill Construction Durant Walters 410-799-3577	EA Engineering Geoff Little 410-771-4950
60 mil HDPE GCL Geocomposite	103,500 102,500 52,500	Days Cove Landfill Cell C	White Marsh, MD	Jun-06	Days Cove Reclamation Co. Bob Oler 410-269-1654	Owner	URS Corp. Jill Voeller 302-791-0700
60 mil HDPE TX 60 mil HDPE SM GCL Geocomposite	10,700 57,500 68,700 68,700	Ritchie Rubble Landfill Cell 2C	Upper Marlboro, MD	Jun-06	Ritchie Land Reclamation Co. Jim Stewart 301-428-0800	Owner	EA Engineering Geoff Little 410-771-4950 Geoff Little 410-771-4950
60 mil HDPE SM 60 mil HDPE TX GCL 12 oz Geotextile 8 oz Geotextile Composite 20 mil HDPE SM	652,050 47,150 697,500 648,000 631,350 47,600 680,000	Hanes Mill Landfill Cell 2	Winston-Salem, NC	Jul-06	City of Winston-Salem David Saunders 336-747-7303	Rifenburg Construction Glenn Weiss 919-598-6921	HDR Engineering, Inc Dean Ferry 704-338-6700
40 mil LLDPE SM 40 mil LLDPE TX Composite GCL Welding Rod	877,500 966,000 1,828,400 875,250 1,012	Hanes Mill Landfill Cap lbs	Winston-Salem, NC	Jul-06	City of Winston-Salem David Saunders 336-747-7303	Rifenburg Construction Glenn Weiss 919-598-6921	HDR Engineering, Inc. Dean Ferry 704-338-6700
XR5	16,000	BWI Third Glycol Tank	BWI Airport, MD Fuel Farm	Aug-06	Maryland Aviation Assc BWI Airport	Keystruct Construction, Inc. Mike Dorgan 717-764-1326	URS Corp. Bernadette Lipari 410-765-7220

Hallaton, Inc.
Geomembrane Experience Resume - 2007

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
Bentomat ST 40 mil LLDPE Tex DS Composite Claymax 200R	805,500 1,072,260 2,136,400 270,000	Tuscarora LF	New Bern, NC	Jan-07	Coastal Regional Solid Waste Management 7400 Coastal Hgwy 70 W. New Bern NC 252-633-6515	Thalle Construction, Inc 228 S Churton St Hillsborough NC Chris Haverstrom 919-245-1490	Joyce Engineering, Inc. 2301 W. Meadowview Rd Greensborough NC Evan Andrews 336-323-0092
12BV Geosynthetic Rain Cove 60 mil HDPE SM	554,103 2,500	Northern Landfill - Cell 3 Rain cover	Westminster, MD	Feb-07	Carrol County Government	Kibler Construction, Inc 8211 Washington Blvd Finksburg, MD 21048 Gary Tine 410-833-5345	Garret Flemming Jeff Stamm
60 mil HDPE SM 60 mil HDPE TX Bentomat ST Claymax 200R DS Composite 10 oz Geotextile 8 oz Geotextile	23,000 120,750 13,500 94,500 100,000 90,000 13,500	Ritchie Rubble Landfill Phase I - Cell 2C-1C	Upper Marlboro, MD	Mar-07	Pleasants Construction, Inc 24024 Frederick Rd Clarksburg, MD 20871 Mike Ensor 301-428-0800	Ritchie Land Reclamation Partner 24012 Frederick Rd., Suite 200 Clarksburg, MD 20871 Jim Stewart 301-428-0800	EA Engineering 15 Loveton Cir Sparks, MD 21152 Geoff Tizard 410-771-4950
30 mil XR-5	31,450	Laurel WWTP Lagoon	Laurel, DE	Mar-07	Town of Laurel Pam Gordy 302-841-4005	Beering Constructionm Inc 805 Shine Smith Rd. Sudlersville Jim Merrill 410-556-6100	George, Miles, & Burh 206 W. Main St. Salisbury, MD. Jim Hoageson 410-742-3115
45 mil PPL	2,520	Smithsonian Butterfly House	Washington, DC	Mar-07	Smithsonian Institute Dave Pascquell 202-368-6429	Faccina Construction 508 508 McCormick Dr.,Glen Burnie, MD. Mike Trapani 410-760-3892	Hayes,Seay,Mattern & Mattern, Inc , 1155 21st St NW 202-721-7700
20 mil PVC	2,300	St Michaels Bio Pond	St. Michaels, MD	Mar-07	Talbot Co Public Schools	Mike Davidson Excav 4961 Cumberland Hgwy Chambersburg PA. 717-264-	
60 mil HDPE TX	242,450	Courtland Farms LF	Leesburg, VA	Apr-07	Courtland Farms Loudoun LLC 1750 Tysons Blvd. 4th Flr McClean VA. Bradley Kline 703-314-2769	Williams H. Hazel 4305 Hazel Park Ct Chantilly, VA Nic Herr 703-378-8300	Bury & Partners Engineering 1643 Merrimac Trail Williamsburg, VA. Jessica Kwiatkowski 757-229-1776
60 mil HDPE TX Geosynthetic clay liner DS Composite	198,500 198,500 198,500	Honeygo Run Landfill - Cell 4	White Marsh, MD	May-07	Republic Services Honeygo LF 10710 Philadelphia Rd Perry Hall, MD 21128	Republic Services Honeygo LF 10710 Philadelphia Rd Perry Hall, MD 21128	Earth Tech 4 Neshaminy Interplex Suite 300 Trevose, PA 19053
Bentomant ST Geocomposite 40 mil LL TX Rain Cover	525,000 525,000 525,000 483,000	Johnston Co. LF	Smithfield, NC	May-07	Johnston Co Government 309 E. Market St. Smithfield, NC Rick Hester 919-989-5075	Shamrock Environmental 503 Patton Ave Greensboro, NC Henry Havener 336-375-1989	Richardson,Smith, Garner & Asso 14 N Boylan Ave Raleigh, NC Peter Scheer 919-828-0577
40 mil HDPE TX 40 mil HDPE SM 60 mil HDPE SM DS Composite	225,000 126,000 225,000 702,000	Midshore LF	Easton, MD	May-07	Talbot Co Dept of Public Works 28712 Glebe Rd , Easton, MD	George & Lynch 150 Lafferty Lane, Dover DE. Mike Hall 302-736-3031	MES 259 Nejoles Rd ,Millersville, MD Charles Peng 410-770-8170

Hallaton, Inc.
Geomembrane Experience Resume - 2007

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
40 mil HDPE TX	50,200	Bowman SWMP	Williamsport, MD	Jul-07	SHA	David H. Martin Excavating 4961 Cumberland Hgwy. Chambersburg PA. 717-264-2168	
Bentomat ST 60 mil HDPE TX 16 oz Non-Woven Geotext	40,000 40,000 40,000	Blue Ridge Paper	Canton, NC	Jul-07	Blue Ridge Paper Co 41 Main St Canton, NC 828-454-0679	Shamrock Environmental 503 Patton Ave. Greensboro, NC Henry Havener 336-375-1989	Sevee & Maher Engineering 4 Blanchard Rd. Cumberland, ME Paul Monroe 207-829-5016
45 mil PPR	88,181	Baltimore SWMP	Baltimore, MD	Aug-07	Chevron Asphalt Facility 1901 Chesapeake Ave. Baltimore, MD 410-576-3795	URS Corp 13825 Sunrise Valley Dr. Herndon, VA. Ira Merin 703-713-6419	URS Corp 13825 Sunrise Valley Dr Herndon, VA. Ira Merin 703-713-6419
80 mil LLDPE TX	29,000	BWI East Tenant Lot	Baltimore, MD	Aug-07	MD Aviation Aministration - BWI Airport. BWI Airport 410-859-7111	MRC Construction 2129 Baldwin Ave Crofton, MD.	Michael Baker Jr., Inc 1304 Concourse Dr. Linthicum, MD
45 mil PPR SS Composite	115,200 14,000	Hanover Foods Lagoon	Hanover, PA	Aug-07	Hanover Foods 1550 York St. Hanover, PA. Dave Still 717-632-6000	Hanover Foods	CET Engineering 1240 N. Mountain Rd. Harrisburg, PA. Tom Whittle 717-541-8004
40 mil HDPE TX	6,290	NAS Patuxent SWMP	Lexington Park, MD	Aug-07	US Government	Great Mills Contruction P.O Box 52 Great Mills, MD Lee Shaw 301-994-0300	
16 oz Geotextile 30 mil PVC 10 oz Geotextile	49,500 42,000 49,500	Raymark PVC	Manhiem, PA	Sep-07	Raymark Friction 123 E. Stegel Manhiem PA 717-665-2211	The Berg Corp 2519 Wilkens Ave. Baltimore, MD David Berg 410-233-5525	RT Engineering 215 W. Church Rd. King of Prussia, PA. Gary Brown 610-265-1510
Bentomat ST Clay Liner	18,900	Waynesboro GCL Pond	Waynesboro, PA	Sep-07	Waynesboro Public Schools	Leon Wintermyer, Inc 220 Yocumtown Rd Etters, PA 717-938-4083	
40 mil LLDPE TX 10 oz Textile DS Composite	379,500 384,750 375,200	Anacostia LF Cap	Hyattsville, MD	Oct-07	Maryland National Capital Parks & Planning Commision 6611 Kenilworth Ave Riverdale, MD - 301-454-1740	Glover Construction 4493 US 301 Hgwy Pleasant Hill, NC. Ed Marks 252-536-2660	EA Engineering 15 Loveton Circle Sparks, MD Mark Gutberlet 410-771-4950
40 mil HD TX	55,200	Mystic Harbor WWTP	Berlin, MD	Oct-07	Worchester Co. Public Works 6113 Timmons Rd. Snow Hill, MD Gary Serman 410-641-5251	Earthworks P.O Box 368 Chesapeake Beach, MD Buck Guyther 301-856-1174	J. W Salm Engineering Sanjeev Kumar 302-436-7570
40 mil LL TX DS Composite	813,852 812,000	Horry Co. LF	Conway, SC	Oct-07	Horry Co Solid Waste Authority 1886 Hgwy 90 Conway, SC Ricky Hardee 843-347-1651	Thalle Construction 228 S. Churton ST. Hillsborough, NC Chris Haverstrom 919-245-1490	Garrett & Moore 1428 Aversboro Rd Garner, NC Stefan Bray 919-926-7906

Hallaton, Inc.
Geomembrane Experience Resume - 2008

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
Bentomat CL	1,651,500	Wateree Station - Class 2 Landfill	Eastover, SC	Nov-08	SCE&G 142 Wateree Station Rd Eastover, SC 29044	Thalle Construction 900 NC Hwy 86 N. Hillsborough, NC 27278 Chris Haverstrom 919-422-8187	Garrett & Moore 1428 Aversboro Rd., Suite D Garner, NC 27529 Stefan Bray 919-926-7906
36 mil Polypropylene	1,700	Millmont Pond	Reading, PA	Sep-08	Reading School District 800 Washington Street Reading, PA 19601 610-371-5612	Wohlsen Construction 548 Steel Way P.O. Box 7066 Lancaster, PA 17604	Gilbert Architects 626 N. Charlotte Street Lancaster, PA 17603
60 mil HDPE Microspike Stainless Steel Concrete Attachment (in linear feet)	29,365 216	Ingleside @ King's Farm	Rockville, MD	Oct-08	King Farm Presyterian Retirement 801 King Farm Blvd. Rockville, MD 20850 301-590-0801	American Infrastructure P.O. Box 278 Fallston, MD 21047 Craig Cheney 410-808-3808	Cochran, Stephenson & Donkervoet 323 W. Camden Street Baltimore, MD 21201 410-539-2080
60 mil HDPE Textured Geocomposite 6oz/sy Geotextile 16oz/sy Geotextile	529,300 529,300 529,300 23,760	MeadWestvaco	Covington, VA	Nov-08	MeadWestvaco Corporation 104 East Riverside Street Covington, VA 24426 540-969-5000	Branch Highways 442 Rutherford Avenue Roanoke, VA 24016 David Mitchell 540-982-1678	STS Consultants 750 Corporate Woods Pkwy Vernon Hills, IL 60061 847-279-2500
XR-5 Geomembrane Stainless Steel Concrete Attachment (in linear feet) 10oz. Non-woven Geotextile	1,724 372 1,724	Towson Transformer (CUPA)	Towson, MD	Sep-08	Towson University 8000 York Road Towson, MD 21252 410-704-4459	Miller, Long & Arnold 4701 Washington Blvd. Halethorpe, MD 21227 Siamac Ardalan 410-247-9631	Burt, Hill 1056 Thomas Jefferson St., NW Washington, DC 20007 202-333-2711
40 mil HDPE Textured 7oz. Geotextile (GT-170) HDPE Batten Bar (linear feet)	131,800 131,800 144	Ft Meade DISA Pond	Ft. Meade, MD	Nov-08	US Army Corp. Engineer District 10 S Howard Street Baltimore, MD 21201 410-962-7608	C.A. Murren & Sons 45150 Business Ct, Suite 101 Dulles, VA 20166 Angie McElroy 703-657-6142	Hensel Phelps 4437 Brookville Corp. Dr., Suite 207 Chantilly, VA 20151 Greg Nieman 703-802-3200
36 mil Polypropylene	44,800	Idlewilde DMP Extension	Shady Side, MD	Aug-08	Anne Arundel County Gov. 2660 Riva Rd. - P O. Box 6675 Annapolis, MD 21401 410-222-7644	Environ. Quality Resources 1405 Benson Ct., Suite C Baltimore, MD 21227 Joe Humbertson 443-304-3310	Andrews, Miller & Associates 150 Old Solomons Island Rd. Annapolis, MD 21401 410-897-1004
30 mil PVC	89,600	Gas House Pike SWM	Frederick, MD	Jul-08	City of Frederick 111 Airport Drive East Frederick, MD 21701 301-600-1194	Wastler Construction 8005 Reiche Ford Rd Frederick, MD 21705 Jay Plummer 301-663-0511	Harms Engineers, Planners, Survey 41 E. All Saints St., Suite 210 Frederick, MD 21701 301-631-2027
45 mil Polypropylene 10oz. Geotextile	36,000 4,000	Grindstone Campground Lagoon	Troutdale, VA	Oct-08	G.W. & Jefferson Nat'l Forests 5162 Valleypointe Pkwy. Roanoke, VA 24019 Sharon Martin 540-265-5192	Hallaton, Inc 1206 Sparks Rd Sparks, MD 21152 410-583-7700	USDA Forest Service Jodella Ritchie 859-745-3128
60 mil HDPE 12oz. Geotextile 16oz. Geotextile	230,000 230,000 230,000	East End Landfill - Cell 4 Construct.	Richmond, VA	Aug-08	East End Landfill 1790 Darbytown Road Richmond, VA 23231 Carlton Dudding 804-226-8625	Metro Earthworks 8435 Backlick Road Lorton, VA 22079 Mike Hanes 703-550-0518	Joyce Engineering, Inc. 1604 Ownby Lane Richmond, VA 23220 Jeff Fentell 804-355-4520

Hallaton, Inc.
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Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
Bentomat ST Claymax 200R 60 HDPE Textured Liner DS Composite	150,750 582,750 682,600 682,600	Albemarle MSW Landfill- Phase 2	Albemarle, NC	May-08	City of Albemarle 144 N. Second St. Albemarle, NC 28001	Thalle Construction 900 NC Hwy 86 N Hillsborough, NC 28001 Chris Haverstrom 919-245-1490	Municipal Engineering Garner, NC 27529 Wayne Sullivan 919-772-5393
36 mil Polypropylene	342,720	Hanover Foods Lagoon	Ridgley, MD	Sep-08	Hanover Foods Corp. 1486 York St. Hanover, PA. 17351	Bennett Contracting 24399 Holsinger Lane Ridgley, MD 21660	EA Engineering 11019 McCormick Rd. Hunt Valley, MD 21031 Greg Gromicko 410-771-1625
30 Mil PVC SS Concrete Attachments	29,845 286 lf	Shockley Honda PVC Ponds	Frederick, MD.	Oct-08	Shockley Honda 7400 Shockley Dr. Frederick, Md 21704	RF Kline 7700 Grove Rd. Frederick, MD. 2704 Jody Bell 240-674-7862	Harris, Smariga & Associates 125 South Carroll Street, Suite 100 Frederick, Md. 21701
DS Composite 40 mil LLDPE Textured Liner	1,923,600 1,932,000	North Wake Landfill	Raleigh, NC.	Aug-08	Wake County Wake County Office Building 336 Fayetteville Street Mall, Rm. 926	Thalle Construction 900 NC Hwy 86 North Hillsborough, NC 28001 Chris Haverstrom 919-245-1490	CDM Engineering 5400 Glenwood Ave. Suite 300 Raleigh, NC. 27612 Farouk Banna 919-787-5620
30 mil PVC	37,000	FedEx SWMP	Hagerstown, Md.	Sep-08	Maryland State Highway Admin.	C. William Hetzer, Inc. 9401 Sharpsburg Pike Hagerstown, MD 21741 Earle Rose 301-733-7300	Maryland State Highway Admin.
60 mil HDPE MS 40 mil HDPE Trans net 22-2-6	895,350 139,125 898,000	Horry Co. Landfill	Conway, SC	Nov-08	Horry County Solid Waste Authority 1886 Highway 90 Conway, SC 29528	Glover Construction 4493 US Highway 301 Pleasant Hill, NC. 27866 Mark Short 252-536-2660	Garrett & Moore 1428 Aversboro Road, Suite D Garner, NC 27529 Craig Fortner 919-792-1900
DS Comp-Bottom 40 LL TX GCL DS Comp-Top	205,000 190,500 190,500 190,500	Rappahannock Co. Landfill	Amissville, VA	Nov-08	County of Rappahannock 290 Gay Street Washington, VA 22747 John McCarthy-County Administrator	General Excavating, Inc. 957 Rider Road Warrenton, VA 20187 Scott Evans 540-439-2202	Joyce Engineering 1604 Ownby Lane Richmond, VA 23220 Rich Brown 804-355-4520

Hallaton, Inc.
Geomembrane Experience Resume - 2009

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE Textured GCL Geocomposite 6 oz. Geotextile 28 oz. Geotextile	1,178,520 1,150,575 1,134,000 20,700 6,750	Cliffside CCP Landfill Phase 1	Cliffside, NC	Oct-09	Duke Energy Corp. 526 Church St. Charlotte, NC 28202 (704)382-1540	Thalle Construction 900 NC 86 North Hillsborough, NC 27278 Mr. Haverstrom (919)245-1490	Camp, Dresser & McKee 5400 Glenwood Ave., Ste. 300 Raleigh, NC 27612 Kenton Yang (919)787-5620
40 mil LLDPE Smooth 40 mil LLDPE Textured SS Geocomposite DS Geocomposite 8 oz. Geotextile	685,125 47,250 702,235 42,900 648,000	Ft. Detrick Area B Waste Disposal Capping Project	Ft. Detrick, MD	Oct-09	Ft. Detrick - US Army Garrison 810 Schreider Street Ft. Detrick, MD 21702 (800)256-7621	Shaw Environmental 200 Horizon Center Blvd Trenton, NJ 08691	Shaw Environmental 200 Horizon Center Blvd. Trenton, NJ 08691 Bob Stolz (609)588-6341
60 mil HDPE Textured 40 mil LLDPE Textured DS Geocomposite 10 oz. Geotextile Rain Cover	169,740 331,200 285,000 180,000 106,320	Battle Creek Landfill Cell 9 & Phase 1	Luray, VA	Aug-09	County of Page, Virginia 219 Landfill Drive Luray, VA 22835 Henry Mikus (540)743-3854	General Excavating, Inc 9757 Rider Road Warrenton, VA 20187 (540)439-2202	SCS Engineers 11260 Roger Bacon Dr. Reston, VA 20190 Denise Wessels (703)471-6150
60 mil HDPE Textured 12 oz. Geotextile Rain Cover	162,285 162,285 170,000	Nottoway Co. Landfill Cell 4	Blackstone, VA	Oct-09	Nottoway Co. Solid Waste Mngmt. 344 West Courthouse Rd Nottoway, VA 23955 (434)292-5262	R.M. Soderquist 7219 Locust Dale Rd Locust Dale, VA 22948 Mr. Soderquist (540)672-6580	Draper Aden Associates 8090 Villa Park Drive Richmond, VA 23228 Bill Hase (804)264-2228
60 mil HDPE Textured GCL Geocomposite 40 mil HDPE Smooth Rain Cover 40 mil LLDPE Textured Geocomposite	1,005,500 1,005,100 1,005,600 62,900 1,200,000 103,010 103,010	Loudon Co. Landfill Cell 1A construction & Sequence III cap	Leesburg, VA	Sep-09	Loudon Co. Solid Waste Dept. 20939 Evergreen Mills Rd Leesburg, VA 20175 Ms. Middleton (703)737-8998	T&K Construction 235 County Road 1242 Vinemont, AL 35179 Lonnie Burgess (256)734-6611	SWS Engineering 11706 Bowman Green Dr. Reston, VA 20190 Chief Buamah (703)834-0711

Hallaton, Inc.
Geomembrane Experience Resume - 2008

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
40 mil HDPE Textured	13,800	Brookeville Park SWM pond	Silver Spring, MD	Jan-08	Brookeville Park	Ross Contracting 1007 Rising Ridge Rd Mt. Ary, MD 21771 Stan Pangle 301-831-5500	N/A
60 mil HDPE Geomembrane	650	Med-Immune Fuel tank	Frederick, MD	Feb-08	Med-Immune	Ross Contracting 1007 Rising Ridge Rd Mt. Airy, MD 21771 301-831-5500	N/A
Tenflow DS Composite 40 mil LLDPE 16 oz Geotextile 8 oz Geotextile	750,000 750,000 750,000 135,000	Loyola College Athletic Complex	Baltimore, MD	Mar-08	Loyola College in Maryland, Inc 4501 N. Charles St. Baltimore, MD 21210 Helen Schneider 410-617-2995	Doracon 3500 East Biddle St. Baltimore, MD 21213 Dale Tressler 410-558-0600	Whiting-Turner 300 East Joppa Rd Towson, MD 21286 Paul Libby 410-821-1100
60 HDPE-SS Textured 60 HDPE-DS Textured Bentomat ST SS Composite	18,900 120,300 153,340 10,500	Days Cove Landfill - Cell D	White Marsh, MD	Apr-08	Days Cove Reclamation 51 Franklin St., Suite 301 Annapolis, MD 21401 Ken Binnix 410-269-1654	Days Cove Reclamation 6425 Days Cove Rd White Marsh, MD 21162 Darren Hunt 410-335-3778	URS
45 mil Polypropylene	600	McKee Run Power Plant Repair	Dover, DE	Apr-08	McKee Run Generating Plant 880 Buttner Pl. Dover, DE 19904	D/FD Operating Services, LLC. 880 Buttner Pl. Dover, DE 19904 Ray Lavender 302-672-6311	N/A
30 mil PVC Geomembrane	94,500	Industrial Center East SWM Pond	Frederick, MD	Apr-08	The Industrial Center East Property Owners' Assoc 117 W. Patrick St. Frederick, MD 21701 Chris Kline	Wastler Construction 8005 Reichs Ford Rd P.O. Box 615 Frederick, MD 21705 Brad Wastler 301-663-0511	Harris, Smariga & Assoc., Inc. 125 South Carroll St., Suite 100 Frederick, MD 21701 301-662-4488
60 mil HDPE Smooth 60 mil HDPE Microspike 40 mil LLDPE Smooth Bentomat DN 16 oz Geotextile Woven Geotextile	572,615 265,920 1,705 263,060 864,000 604,233	Quarantine Rd. Landfill - Cell 6	Baltimore, MD	Apr-08	City of Baltimore Bureau of Solid Wast 600 Abel Wolman Municipal Building Baltimore, MD 21202 Joseph Kolodziejski 410-545-6541	American Infrastructure 2011 Belair Rd. Fallston, MD 21047 David Giumento 410-879-3055	EA Engineering 15 Loveton Cir. Sparks, MD 21152 Mark Gutberlet 410-771-4950
60 mil HDPE Textured	14,985	Gardiner Rd - Fire Pond	Waldorf, MD	Apr-08	Washington Gas Gardiner Rd. Fire Pond	Mandley Excavating Co 4020 Gardiner Rd Waldorf, MD 20601 Jim Wells 301-645-9499	N/A
60 mil HDPE Smooth	720	Indian Head Tank Liner - Area 1990	Indian Head, MD	Feb-08	Department of the U.S. Navy Public Works Dept. 4474 McMahon Rd., Suite 3 Indian Head, MD 20640	Allen & Shariff Construction 7061 Deepage Dr., 2nd Floor Columbia, MD 21045 Patty Simon 410-381-7100	NACFAC Washington Area West, Indian Head Detachment Bldg 551 101 Strauss Ave Indian Head, MD 20640

Hallaton, Inc.
Geomembrane Experience Resume - 2009

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE Textured DS Geocomposite 32 oz. Geotextile 250 mil Geonet	786,000 402,499 393,000	Veolia ES Greentree Landfill cell 15	Kersey, PA	Aug-09	Veolia ES Greentree Landfill, LLC 635 Toby Road Kersey, PA 15846 Donald Hendricks (814)265-1744	Northern Son Rudy	Veolia ES Greentree Landfill, LLC 635 Toby Road Kersey, PA 15846 Bill Binnie (814)590-5013
40 mil HDPE	1,800	Uniontown Bible Church PVC Pond	Union Bridge, MD	Nov-09	Union Bible Church 4280 Watson Lane Union Bridge, MD 21791 (410)775-1345	Stambaugh's, Inc. 1 Railroad Ave. Union Bridge, MD 21791 Chris Schoberg (410)775-2363	N/A
40 mil HDPE Textured 24 oz. Geotextile	27,600 22,500	Proctor & Gamble	Andover, MA	Jun-09	Proctor and Gamble 30 Burtt Road Andover, MA 01810	Deloury Construction 46 Lowell Jct. Rd Andover, MA 01810 Ms. Nemchenok (978)475-8153	Capaccio Environmental Eng., Inc. 293 Boston Post Rd Marlborough, MA 01752 Wayne Bates (508)970-0033
30 mil PVC	55,000	Costco Retention Basins	Monrovia, MD	Oct-09	Costco Wholesale 999 Luke Drive Issaquah, WA 98027 (425)313-8100	Pleasants Construction 24024 Frederick Rd. Clarksburg, MD 20871 Matt Burdette (301)428-0800	Bohler Engineering 810 Gleneagles Ct., Ste. 300 Towson, MD 21286 Matt Allen (410)821-7900
60 mil HDPE Textured GCL DS Geocomposite 8 oz. Geotextile	773,262 774,297 780,102 20,700	Pleasants Power Station McElroy's Run CCB Landfill Stage 1G	Willow Island, WV	Sep-09	Allegheny Energy Supply, Inc 1 Power Station Blvd./SR 2 Willow Island, WV 26134 Ralph Borsani	Beaver Excavating 2000 Beaver Place Ave., SW Canton, OH 44706 Pat King (330)478-2151	GAI Consultants 385 E. Waterfront Dr. Homestead, PA 15120 James Joyce (412)476-2000
60 mil HDPE Textured 10 oz. Geotextile	11,600 11,600	Silver Spring Transit Center	Silver Spring, MD	Jun-09	Montgomery Co. Gov. 255 Rockville Pike, Ste. 180 Rockville, MD 20850 (240)777-9900	Apex Companies 15850 Crabbs Branch Way Rockville, MD 20855 Mr. Neupane (301)417-0200	PB Americas, Inc. 100 S. Charles St., Twr 1, 10th Fl. Baltimore, MD 21201 Lisa Lewis (410)385-4154
40 mil HDPE	2,660	AFMIC Bioretention Ponds	Ft. Detrick, MD	Aug-09	Department of the Army United States of America Ms. Turner-Cooper (301)619-9643	JHG Contractors, Inc. 5216 Reels Mill Rd Frederick, MD 21704 Tommy Bell (301)662-1520	US Army Corps of Engineers 10 S. Howard Street Baltimore, MD 21201 John Knight (410)962-6092
60 mil HDPE Textured 16 oz. Geotextile DS Composite Rain Cover	452,640 453,600 23,345 456,000	White Oak Landfill Phase 3	Waynesville, NC	Oct-09	Haywood Co. R&SW 278 Recycle Road Clyde, NC 28721 Stephen King (828)627-8042	Thalle Construction 900 NC Highway 86 N Hillsborough, NC 27278 Mr. Haverstrom (919)245-1490	McGill Associates 55 Broad Street Asheville, NC 28801 Bill Sperry (828)252-0575
40 mil LLDPE Textured DS Composite	524,600 580,000	Greenwood Co. Landfill Cell 2	Greenwood, SC	Jul-09	Greenwood Co. Dept. of Public Works 1115 Siloam Church Road Greenwood, SC 29646 Mike Weeks (864)942-8662	Shamrock Environmental 6106 Corporate Park Dr. Brown Summit, NC 27214 Henry Havener (336)375-1989	Joyce Engineering 3251 Landmark Dr., Ste. 240 N. Charleston, SC 29418 Mr. Kemppinen (843)207-1373
60 mil HDPE Textured 40 mil HDPE Textured 200 mil Geonet	759,000 621,000 618,800	Nickerson WWTP	Nickerson, KS	Oct-09	City of Nickerson 15 North Nickerson Rd. Nickerson, KS 67561 (620)422-5981	Smokey Hill, LLC. 645 E. Crawford, Ste. E8 Salina, KS 67401 Kim Brown (785)825-1224	EBH & Associates 1105 Williams Great Bend, KS 67530 James Kohman (620)793-8411

Hallaton, Inc.
Geomembrane Experience Resume - 2009

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE Textured GCL Geocomposite 6 oz. Geotextile 28 oz. Geotextile	1,178,520 1,150,575 1,134,000 20,700 6,750	Cliffside CCP Landfill Phase 1	Cliffside, NC	Oct-09	Duke Energy Corp. 526 Church St. Charlotte, NC 28202 (704)382-1540	Thalle Construction 900 NC 86 North Hillsborough, NC 27278 Mr. Haverstrom (919)245-1490	Camp, Dresser & McKee 5400 Glenwood Ave., Ste. 300 Raleigh, NC 27612 Kenton Yang (919)787-5620
40 mil LLDPE Smooth 40 mil LLDPE Textured SS Geocomposite DS Geocomposite 8 oz. Geotextile	685,125 47,250 702,235 42,900 648,000	Ft. Detrick Area B Waste Disposal Capping Project	Ft. Detrick, MD	Oct-09	Ft. Detrick - US Army Garrison 810 Schreider Street Ft. Detrick, MD 21702 (800)256-7621	Shaw Environmental 200 Horizon Center Blvd. Trenton, NJ 08691	Shaw Environmental 200 Horizon Center Blvd. Trenton, NJ 08691 Bob Stotz (609)588-6341
60 mil HDPE Textured 40 mil LLDPE Textured DS Geocomposite 10 oz. Geotextile Rain Cover	169,740 331,200 285,000 180,000 106,320	Battle Creek Landfill Cell 9 & Phase 1	Lurey, VA	Aug-09	County of Page, Virginia 219 Landfill Drive Lurey, VA 22835 Henry Mikus (540)743-3854	General Excavating, Inc. 9757 Rider Road Warrenton, VA 20187 (540)439-2202	SCS Engineers 11260 Roger Bacon Dr. Reston, VA 20190 Denise Wessels (703)471-6150
60 mil HDPE Textured 12 oz. Geotextile Rain Cover	162,285 162,285 170,000	Nottoway Co. Landfill Cell 4	Blackstone, VA	Oct-09	Nottoway Co. Solid Waste Mngmt. 344 West Courthouse Rd. Nottoway, VA 23955 (434)292-5262	R.M. Soderquist 7219 Locust Dale Rd Locust Dale, VA 22948 Mr. Soderquist (540)672-5580	Draper Aden Associates 8090 Villa Park Drive Richmond, VA 23228 Bill Hase (804)264-2228
60 mil HDPE Textured GCL Geocomposite 40 mil HDPE Smooth Rain Cover 40 mil LLDPE Textured Geocomposite	1,005,500 1,005,100 1,005,600 62,900 1,200,000 103,010 103,010	Loudon Co. Landfill Cell 1A construction & Sequence III cap	Leesburg, VA	Sep-09	Loudon Co. Solid Waste Dept. 20939 Evergreen Mills Rd Leesburg, VA 20175 Ms. Middleton (703)737-8998	T&K Construction 235 County Road 1242 Vinemont, AL 35179 Lonnie Burgess (256)734-6611	SWS Engineering 11706 Bowman Green Dr. Reston, VA 20190 Chief Busmah (703)834-0711

Hallaton, Inc.
Geomembrane Experience Resume - 2009

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
60 mil HDPE Textured DS Composite 10oz. Geotextile Bentomat SDN Bentomat DN	575,230 542,500 564,300 292,500 271,875	Indian River Power Plant Cell 1	Millsboro, DE	Sep-09	NRG Energy, Inc 332 Power Plant Rd. Millsboro, DE 19966 Jonathan Hefty	George & Lynch, Inc. 150 Lafferty Lane Dover, DE 19901 Preston Ayers (302)736-3031	Goldar Associates 200 Century Pkwy., Ste. C Mt. Laurel, NJ 08054 Veronica Foster (856)793-2005
60 mil HDPE Smooth 60 mil HDPE Textured Geocomposite Reinforced GCL Rain Flap (linear feet)	792,120 28,290 728,000 729,000 1,900	Bees Ferry Landfill Cell 2	Charleston, SC	Mar-09	City of Charleston Public Services 75 Calhoun Street Charleston, SC 29401 (843)724-3754	Glover Construction 4493 US Highway 301 Pleasant Hill, NC 27866 Mark Short (252)536-2660	HDR Engineering 128 S. Tryon St., Ste 1400 Charlotte, NC 28202 Phillip Westmoreland (704)338-6700
60 mil HDPE Smooth 60 mil HDPE Textured 6oz. Geotextile	151,200 37,720 189,000	Bear Island Industrial Landfill Cell 4	Ashland, VA	Jan-09	Bear Island Paper Company 10026 Old Ridge Rd. Ashland, VA 23005 Cary Merrell (804)393-1127	Sargent Corporation 4820 Southpoint Dr., Ste. 205 Fredericksburg, VA 22407 Travis Ridky (540)898-8382	Draper Aden 8090 Villa Park Dr. Richmond, VA 23228 Lindsey Welford (8040)264-2228
60 mil HDPE Textured 60 mil HDPE Smooth GCL Geocomposite	273,470 18,900 292,500 274,400	Habersham Co Landfill Cell 4	Mt. Airy, GA	Jan-09	Habersham County Solid Waste 4900 Dicks Hill Pkwy. Mt. Airy, GA 30563 Greg Robinson (706)778-0926	Higgins Construction 115 Clarkesville St. Cornelia, GA 30531 Don Higgins (706)778-6000	HHN&T, Inc. 484 Mulberry St., Ste. 265 Macon, GA 31201 Brant Lane (478)743-7175
45 mil PPR 60 mil HDPE Textured	241,800 244,888	Abu Dhabi Lagoons Floating Cover	Abu Dhabi, U.A.E.	Feb-09	N/A	Divers Maine Contracting, LLC P.O. Box 30934, Al Garhoud St. Dubai, U.A.E. Abdulla Darwish	N/A
Bentomat ST	90,000	Perryville WWTP	Perryville, MD	May-09	Cecil Co. Dept. of Public Works 200 Chesapeake Blvd Elkton, MD 21921 (410)996-5259	Wickersham Construction 777 East Ross Street Lancaster, PA 17604 Jerry Robinette (717)397-8282	URS Corp. 1200 Philadelphia Pike Wilmington, DE 19809 Dave Katzmire (302)791-0700
45 mil Hypalon	29,000	Boonsboro Floating Cover	Boonsboro, MD	Apr-09	Town of Boonsboro 21 North Main St. Boonsboro, MD 21713 Rick Painter (301)432-5141	Hallaton, Inc. 1206 Sparks Rd. Sparks, MD 21152 Scott Brinkerhoff (410)583-7700	N/A
40 mil. LLDPE Textured 60 mil. HDPE Textured Bentomat SDN DS Composite 12 oz. Geotextile 12 BBR Rain Cover	504,000 362,700 365,400 812,000 28,800 360,000	Johnston Co. MSW Landfill Cell 3	Smithfield, NC	Apr-09	Johnston Co. Dept. of Public Util. 309 E. Market Street Smithfield, NC 27577 (919)989-5075	ES&J Enterprises 1555 Holland Rd. Autryville, NC 28318 David Page (910)567-6138	Richardson, Smith, Gardner & Assoc. 14 N. Boylan Avenue Raleigh, NC 27603 Pieter Scheer (919)828-0577
60 mil. HDPE Textured Reinforced GCL 10 oz. Geotextile Geocomposite	528,080 530,700 414,000 163,300	Bedford County Landfill Phase 1, Cell C	Bedford, VA	Feb-09	Bedford Co. Dept. of Public Works 215 E. Main Street Bedford, VA 24553 Sheldon Cech (540)587-6081	T&K Construction 235 County Rd. 1242 Vinemont, AL 35179 Lonnie Burgess (256)734-6611	Dewberry & Davis, Inc. 551 Piney Forest Rd. Danville, VA 24540 Shawn Harden (434)797-4497

Hallaton, Inc.
Geomembrane Experience Resume - 2009

Material	Quantity (sf)	Project	Location	Date	Owner	GC	Engineer
40 mil. LLDPE Textured Geocomposite 16 oz. Geotextile	55,500 55,500 55,500	Loyola IAC Phase 3	Baltimore, MD	Apr-09	Loyola College in Maryland 4501 N. Charles Street Baltimore, MD 21210 (410)617-2995	Whiting Turner 300 E. Joppa Rd. Towson, MD 21286 Paul Libby (410)821-1100	Haley & Aldrich 7921 Jones Branch Dr., Ste 550 McLean, VA 22102 (703)356-8490
Bentomat CL	5,300	Hewitt Rd. Transformer	Lexington Park, MD	Apr-09	Southern Maryland Electrical Co-op. 15035 Burnt Store Rd. Hughesville, MD 20637	New River Electrical P.O. Box 70 Cloverdale, VA 24077 Chris Whitely (540)966-1690	Black & Veatch 11401 Lamar Overland, KS 66211 (913)458-2000
40 mil HDPE 40 mil Polyethylene	72,300 7,475	Royal Links Golf Course Pond	Mt. Wolf, PA	Mar-09	Pennsylvania Power & Light 2 North 9th Street Allentown, PA 18101	Southern Features 23 Mary Grace Lane Cartersville, GA 30120 Gary Stover (941)740-3679	N/A
40 mil LLDPE Textured 60 mil HDPE Textured Geocomposite Geotextile	331,200 169,740 285,000 180,000	Battle Creek Cap & Cell Phase 1 cap & cell 9 construct.	Lurey, VA	Jun-09	County of Page, Virginia 219 Landfill Dr. Lurey, VA 22835 Henry Mikus (540)743-3854	General Excavation, Inc. 9757 Rider Road Warrenton, VA 20187 Mr. Wakeman (540)219-2956	SCS Engineers 11260 Roger Bacon Dr. Reston, VA 20190 Denise Wessels (703)471-6150
60 mil HDPE Textured Geotextile	103,730 173,700	Williams Station	Goose Creek, SC	Jun-09	SCE&G 2242 Bushy Park Rd. Goose Creek, SC 29445	Morgan Corp. 1800 E. Main St. Duncan, SC 29334 Rodney Davis (864)433-8800	Garrett & Moore 1428 Aversboro Rd., Ste. D Garner, NC 27529 (919)792-1900
Bentomat CL	108,000	Worton WWTP Upgrade	Worton, MD	Jul-09	Kent County Public Works 709 Morgnec Road Chestertown, MD 21620 (410)778-3287	David A. Bramble 705 Morgnec Rd. Chestertown, MD 21620 Mike Laverty (410)778-3023	McCrone 20 Ridgely Ave. Annapolis, MD 21401 (410)267-8621
60 mil HDPE Smooth 60 mil HDPE Textured DS Geocomposite SS Geocomposite Rain Cover	997,256 718,952 704,700 739,500 490,800	Sampson Co. Landfill cell 7	Roseboro, NC	Jun-09	Waste Industries 3301 Benson Dr., Ste. 601 Raleigh, NC 27609 Jerry Johnson (919)325-3000	Glover Construction US Highway 301 Pleasant Hill, SC 27866 Mark Short (252)536-2660	Richardson, Smith Gardner Eng. 14 North Boylan Avenue Raleigh, NC 27603 Stacey Smith (919)828-0577
60 mil HDPE Textured DS Geocomposite	17,544 14,644	Conrad Irrigation Pond	Newport, PA	May-09	N/A	JKW Excavating 915 Pond Road Newport, PA 17074 Allen Conrad (717)443-8338	N/A
60 mil HDPE GCL Geocomposite Raincover	607,000 607,000 35,500 310,800	Candler Road	Gainesville, GA	Aug-09	Hall County Commission P.O. Drawer 1435 Gainesville, GA 30503 (770)535-8288	T&K Construction 235 County Rd. 1242 Vinemont, AL 35179 Jamie Jenkins (256)734-6611	Camp, Dresser & McKee, Inc. 3715 Northside Pkwy NW, Ste. 400 Atlanta, GA 30327 Gil Haines (404)467-4911

HALLATON, INC.

1206 SPARKS RD., SPARKS, MD 21152
410-583-7700 Fax 410-583-7720

Seaming and Non Destructive Test Log

Project No.: ______________________

Project Name: ______________________

Weld Date: __________

Project Location: ______________________

Page: ______ of ______

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______ mil.

SEAM # (P#/P#)	WELD TIME	TECH ID	Machine ID	Machine Temp	Machine Speed or Preheat	Start Point	End Point	Seam Length (Feet)	Air Pressure Test					Vac Test Tech	Test Date	Pass / Fail
									PSI		Time		Tech			
									Start	Finish	Start	Finish				
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Office-Geomembrane Seaming and Non-Destructive Test Log.xlsx

HALLATON, INC.

1206 Sparks Rd • Sparks, MD 21152
410 583 7700 • Fax: 410 583 7720

Hallaton Inc. Crew List

Field Operations Manager-
Justin Harward*

Supervisors-
Arturo Sanchez*
Homero Telles*
Mauricio Sanchez*
Alex Lopez*

Quality Control Representative-
Edilzar "Bob" Anzueto*
Gabriel Perez*
Christopher Holloway
Victor Solorsano

Master Seamers-
Carlos Fernandez*
Cesar Lugo*
Martin Martinez*
Ramiro Olvera Sr.*
Luis Ordonez*
Roberto Ordonez*
Armando Ramos*
Marcial Ramos*
Carlos Sanchez*
Juan Velasquez*

*- CWT- Certified Welding Technician (IAGI)

Typical Site Trailer Equipment

Equipment Type	Quantity	Description
6000 LB Forklift	2	SkyTrac 6036 or equal, Tool handler
Wedge Welder	4	Dem-Tech Prowedge
Extrusion Welder	3	ProX-2
Generator	5	Honda 6500, Generac 4000 (typical)
Tensiometer	1	Dem-Tech Protester or equal
Handheld Hot air welder	4	Leister
Grinder	4	Various 4, 4.5" disc
Vacuum Box	2	Columbine Vacu-lite
Air pressure test equipment	8	Various Gauges, needles, hardware
Liner Deployment Bar	1	"Z-bar" liner deployment apparatus
Low ground pressure 4x4	1	Kawasaki Mule 4x4 ATV
Sewing Machines	3	Union Special 2200B, Newlong NP3

A Comprehensive Environmental Services Company

HALLATON, INC.

1206 SPARKS RD., SPARKS, MD 21152
410-583-7700 Fax 410-583-7720

Geomembrane Field Trial Seam Log

Project No.: _____
Project Name: _____
Start Date: _____
Project Location: _____
Page: ____ of ____

Material: _____

____ mil Thickness

Project Seam Requirements

Fusion:		Extrusion:	
Peel:		Peel:	
Shear:		Shear:	

Sample #	Date	Time	Ambient Temp.	Welder ID		Wedge	Extruder	Seam Strength										Pass Fail	Tech ID	Remarks
				Machine	Operator	Temp/ Speed °F/fpm (or %max)	Barrel/ Preheat °F/°F	Peel (ppi) IN / OUT					Shear (ppi)							
								1	2	3	4	5	1	2	3	4	5			

HALLATON, INC.

1206 SPARKS ROAD, SPARKS, MD 21152
410-583-7700 Fax 410-583-7720

Geomembrane Seam Destructive Test Log

Project No.: _____
Project Name: _____
Start Date: _____
Project Location: _____
Page: ____ of ____

Material: _____

____ mil Thickness

Project Seam Requirements

Fusion:		Extrusion:	
Peel:		Peel:	
Shear:		Shear:	

DT#	Location	Date Removed	Welder ID		Wedge	Extruder	Seam Strength										Pass Fail	Tech ID	Remarks
			Machine	Operator	Temp/ Speed °F/fpm	Temp/ Preheat °F/°F	Peel (ppi) IN / OUT					Shear (ppi)							
							1	2	3	4	5	1	2	3	4	5			

Office- Geomembrane Seam Destructive Test Log-V2.xls

HALLATON, INC.

1206 SPARKS RD., SPARKS, MD 21152
410-583-7700 Fax 410-583-7720

Panel Placement Log

Project No.: ____________ Material: ____________
Project Name: ____________
Project Start Date: ____________ Thickness: ________ mil
Project Location: ____________
Page: ______ of ______

Date Deployed	Panel No.	Time Deployed	Panel Location	Roll No.	Width (FT)	Length (FT)	Area (SQ FT)
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
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							0
							0
							0
							0
							0
					Total This Page		0

HALLATON, INC.

1206 SPARKS ROAD, SPARKS, MD 21152
410-583-7700 Fax 410-583-7720

Repair Log

Project No.: ____________ Material: ____________
Project Name: ____________
Project Start Date: ____________ Thickness: ______ mil
Project Location: ____________
Page: ______ of ______

Repair #	Defect Code	Defect Location	Repair Date	Repair Time	Repair Type	Approx Size	Machine ID	Repair Tech	Vacuum Test	
									P/F	Date

Defect Code:

- BO - Burn Out
- CR - Crease
- DT - Destructive Test Number
- EE - Earthwork Equipment Damage
- FM – Fishmouth
- FT – Pressure Test Cut
- T – Joint
- SI - Soil Surface Irregularity
- DD - Deployment Damage
- MD - Material Damage
- WR - Wrinkle
- WS - Welder restart
- FD - Factory Defect
- AT - Air Test

Repair Type: C-Cap Strip, P- Patch, B-Extrudate Bead, GB-Grind & Bead, BT-Boot

Test Result: P-Pass, F-Fail

Notations: BOS or 0-Beginning of Seam/ EOS-End of Seam/ --to an area/ >from an area/ NOAT-No AT

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Backfilling of Anchor Trench

The anchor trench shall be backfilled by the earthwork contractor. Trench backfill material shall be placed and compacted in accordance with the project specifications.

Care should be taken when backfilling the trenches to prevent any damage to the geomembrane. If damage occurs, it shall be repaired prior to backfilling.

Geomembrane Acceptance

The installer shall retain all ownership and responsibility for the geomembrane until acceptance by the owner.

Final acceptance is when all the following conditions are met:

1. Installation is finished.
2. Verification of the adequacy of all field seams and repairs, including associated testing, is complete.

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Certificate of Subgrade Acceptance

Project Name _____
Project no. _____
Location _____

Area to be _____
Accepted _____
_____

I, the undersigned, duly authorized representative of the installer, do hereby accept the soil subgrade surface conditions. I do not accept any responsibility for the conditions or character of the subsurface soil, or any effect the subsurface soil might have on the liner system.

INSTALLER: _____ signature _____ title _____ date

THIRD PARTY QA/QC: _____ signature _____ title _____ date

Field Testing

The QC manager shall test one 1-inch wide specimen from each end of the 40-inch sample prior to cutting into three equal pieces, each will be tested for peel strength. Both specimens must pass the project seam requirements before the QAL sample is released for testing.

Independent Laboratory Testing by Quality Assurance Laboratory

The test method and procedures to be used by the independent laboratory shall be as defined in the project specification or as follows.

1. The laboratory shall cut the sample into ten (10) coupons, each one inch wide. Five (5) shall be tested for peel and five (5) shall be tested for shear values. Per GRI GM-19 Four of the five coupons shall meet the minimum project specification values and the fifth specimen shall be within 80% of the project specification values for the seam sample to pass.

Procedures for Destructive Test Failure

The following procedures shall apply whenever a sample fails the field destructive test:

1. The installer will retrace the welding path to an intermediate location (usually 10 feet on both sides of the location of the failed test sample), and take a sample for an additional destructive sample test. If this test passes, then the seam shall be cap stripped between the locations of the two passed destructive samples. If the test fails, then the process is repeated until a passing sample is found along the seam in question on both sides of the original failed sample.
2. Over the length of seam failure, the installer shall either cut out the old seam, reposition the panel and re-seam, or add a cap strip.
3. All destructive sample tests shall be documented as to the pass/fail result, the location of the sample, and all action taken for failure correction.

Defects and Repairs

All seams and non-seam areas of the geomembrane shall be inspected for defects, holes, blisters, undispersed raw materials, and any sign of contamination by foreign matter. The surface of the geomembrane shall be clean at the time of inspection.

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Evaluation

Each suspect location in seam and non-seam areas shall be non-destructively tested as appropriate in the presence of the inspector. Each location that fails the non-destructive testing shall be marked by the inspector, and repaired accordingly.

Repair Procedures

1. Defective seams shall be cap stripped or replaced. Small seam lengths (approximately 3 feet) may be extrusion welded provided there is sufficient overlap between the liner panels.
2. Small holes shall be repaired by extrusion welding. If the hole is larger than ¼ inch, it shall be patched.
3. Tears shall be repaired by patching. Where the tear is on a slope or an area susceptible to stress and has a sharp end, it must be rounded prior to patching.
4. Blisters, large cuts and undispersed raw materials shall be repaired by patches.
5. Patches shall be done by extrusion welding. The weld area shall be ground no more than one hour prior to welding. No more than 5% of the thickness shall be removed by grinding. Welding shall commence where the grinding started and must overlap the previous seam by at least 2 inches. Re-seaming over an existing seam without regrinding shall not be permitted. The welding shall restart by grinding the existing seam and re-welding a new seam.

Patches shall be round or oval in shape, made of the same geomembrane, and extend a minimum of 6 inches beyond the edge of defects.

Verification of Repairs

Each repair shall be non-destructively tested. Repairs that pass the non-destructive test shall be taken as an indication of an adequate repair. Failed tests indicate that the repair shall be repeated and retested until passing test results are achieved.

The Quality Control manager shall keep daily documentation of all non-destructive and destructive testing. This documentation shall identify all seams that initially failed the test and include evidence that these seams were repaired and successfully retested. Each repair shall be recorded by number, date and test outcome.

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Non-Destructive Seam Testing

The Installer shall non-destructively test all field seams over their full length utilizing the following methods.

Vacuum Box Testing

Equipment for testing extrusion seams shall be comprised of the following:

1. A vacuum box assembly consisting of a rigid housing, a transparent viewing window, a soft rubber gasket attached to the bottom, port hole or valve assembly, and a vacuum gauge.
2. Soapy solution in a plastic bucket with a mop.

The following procedures shall be followed by the installer:

1. Excess sheet overlap shall be trimmed away.
2. Wet a strip of geomembrane approximately 12 inches by the length of the box with the soapy solution.
3. Place the box over the wetted area and compress.
4. Create a vacuum of 3 – 5 psi.
5. Ensure that a leak tight seal is created.
6. For a period of approximately 15 seconds, examine the geomembrane through the viewing window for the presence of animated soap bubbles.
7. If no animated soap bubbles appear after 10 seconds, shut off the vacuum box and move the box over the next adjoining area with a minimum 3 inches overlap and repeat the process.
8. All areas where animated soap bubbles appear shall be marked, repaired and then retested.

The following procedures shall apply to locations where seams cannot be non-destructively tested.

1. If the seam is accessible to testing equipment prior to final installation, the seam shall be non-destructively tested prior to final installation.
2. If the seam cannot be tested prior to final installation, the seaming operations shall be observed and inspected by the QC manager or the Engineer's field representative.

Air Pressure Testing (For Double Fusion Seams Only)

Equipment for testing double fusion seams shall be comprised of the following:

1. An air pump equipped with pressure gauge capable of generating and sustaining a pressure between 25 and 30 psi.

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2. A pressure gauge equipped with a sharp hollow needle.

The following procedures shall be followed by the installer:

1. Seal on end of the seam to be tested.
2. Insert needle or other approved pressure feed device through the sealed end of the channel created by the double wedge fusion weld.
3. Energize the air pump to verify the unobstructed passage of air through the channel.
4. Seal the other end of the channel.
5. Energize the air pump to a pressure between 25 and 30 psi, close valve, allow 2 minutes for the injected air to come to equilibrium in the channel, and sustain pressure for at least 5 minutes.
6. If loss of pressure exceeds 3 psi, or pressure does not stabilize, locate any faulty area, repair and retest.
7. If pressure does not drop below the acceptable value after five minutes, cut the air channel open at the opposite end from the pressure gauge. The air channel should deflate immediately indicating that the entire length of the seam has been tested.
8. All test locations which have passed air pressure testing shall be marked with the test date, values, and tester initials.

Destructive Seam Testing (if required by project specifications)

Destructive seam testing should be minimized to preserve the integrity of the liner. The installer shall provide the inspector with destructive test samples per project specifications from locations specified by the inspector. Liner panels shall not be covered with any cover material until all destructive samples within that area have been confirmed to have pass the Quality Assurance Laboratory testing.

Sampling Procedure

In order to obtain test results prior to completion of liner installation, samples shall be cut and marked by the installer as the seaming progresses. The installer shall also record the date, location, and pass or fail description. All holes in the geomembrane resulting from obtaining the seam samples shall be immediately patched and vacuum tested.

Size and Disposition of Samples

The samples shall be 12 inches wide by 40 inches long with the seam centered lengthwise. The sample shall be cut into three equal-length pieces (each 12" x 12"), one to be given to the Quality Assurance Laboratory for testing, one to be given to the owner/engineer and one to the installer QC Manager.

Method of Placement

The rolls should be deployed using a spreader bar assembly attached to a loader bucket or by other methods approved by the project engineer.

The installer shall be responsible for the following:

1. Equipment or tools shall not damage the geomembrane during handling, transportation and deployment.
2. Personnel working on the geomembrane shall not smoke or wear damaging shoes.
3. The methods used to unroll the panels shall not cause scratches or crimps in the geomembrane and shall not damage the supporting soil.
4. Adequate loading (e.g., sand bags or similar items that will not damage the geomembrane) shall be placed to prevent uplift by wind (in case of high winds, continuous loading is recommended along edges of panels to minimize risk of wind flow under panels).

Weather Conditions

Geomembrane deployment shall proceed between ambient temperatures of 32° F to 104° F. Placement can proceed below 32° only after it has been verified by the inspector that the material can be seamed according to the specification. Geomembrane placement shall not be done during any precipitation, in the presence of excessive moisture (e.g., fog, rain, dew) or in the presence of excessive winds, as determined by the installation supervisor.

Field Seaming

Approved seaming processes are fusion and extrusion welding. On side slopes, seams shall be oriented in the general direction of maximum slope, i.e., oriented down, not across the slope. In corners and odd-shaped geometric locations, the number of field seams shall be minimized.

No base T-seam shall be closer than 5 feet from the toe of the slope. Seams shall be aligned with the least possible number of wrinkles and "fishmouths." If a fishmouth or wrinkle is found, it shall be relieved and cap-stripped.

Seam Overlap

Geomembrane panels must have a finished minimum overlap of 4 inches for fusion welding and 6 inches for extrusion welding.

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Cleaning solvents may not be used unless the product is approved by the liner manufacturer.

Seaming Equipment and Accessories

Approved equipment for field seaming are fusion welders and extrusion fillet welders.

1. Fusion Welder, 110 Volt (220 Volt).
2. Extrusion Welder, 220 Volt.
3. High-speed, 10,000 rpm, 4 or 4 ½ inch side grinder with 50-80-grit discs.
4. 6.5 KW Generator, single-phase with 110/220 Volt Outputs.
5. Power Cord, minimum S.O. type, 12 gauge O.S.H.A. approved electrical cord with O.S.H.A. approved twist-type plugs and connections.
6. Vacuum Box Test Equipment for non-destructive seam testing.
7. Air pressure test equipment for non-destructive seam testing.
8. Field Tensiometer, capable of performing quantitative shear and peel tests.

Test Seams

Field test seams shall be conducted on the liner to verify that seaming conditions are satisfactory. Test seams shall be conducted at the beginning of each seaming period and at least once each 5 hours, for each seaming apparatus and personnel used that day. The responsible QC manager will review all trial weld samples and results prior to field production seaming

All test seams shall be made in contact with the subgrade. Welding rod used for extrusion welding shall have the same properties as the resin used to manufacture the geomembrane. The test seam samples shall be 3 feet long for fusion welding and 3 feet long for extrusion welding with the seam centered length-wise. Five specimens shall be cut from each end of the test seams by the inspector. The technician shall use a tensiometer to test 3 specimens for shear and 3 specimens for peel. Each specimen shall be one inch wide with a grip separation of 4 inches plus the width of the seam. The seam shall be centered between the clamps. The rate of grip separation shall be 2 inches per minute. Test results for seam strength properties shall pass seam acceptance criteria. Shear and peel tests shall result in Film Tearing Bond (FTB), which is a failure in ductile mode of one of the bonded sheets by tearing prior to complete separation in the bonded area. If a test seam fails to meet field seam specifications, the seaming apparatus and/or seamer shall not be used for seaming until the deficiencies are corrected and a successful test seam achieved.

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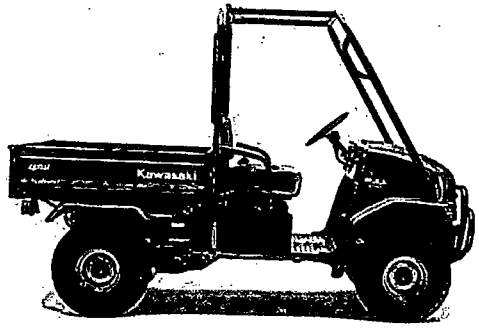
Proposed Use of the Kawasaki Mule 3010 Diesel 4x4

Panel Deployment

In deploying Geosynthetic panels, Hallaton Inc. intends to use a low ground pressure Kawasaki Mule 3010 Diesel 4x4 to assist in deployment of the Geosynthetics. The mule will be in direct contact with the prepared subbase and geosynthetics layers during deployment. This is a technique successfully used on all Hallaton projects and is a widely accepted industry practice. The approximate maximum ground pressure of the Mule is 5 PSI based on a maximum loaded weight of 2,000 lbs. The operator shall always maintain safe vehicle speeds and demonstrate proper control while using this piece of equipment onsite. In addition, use of the Mule will be closely observed by Hallaton staff to ensure no damage has been caused to the prepared subbase or geosynthetics. Upon request, Hallaton will demonstrate in-field use and through visual inspection, the Engineer can accept or reject further use of this equipment of the project. If any damage due to the use of the Mule is discovered then use of the Mule will cease immediately and Hallaton will repair this area at no cost to the Owner. Use of the Mule will not void or affect coverage on the material or workmanship warranties. This piece of equipment will allow for increased job progress and a better finished product.



KAWASAKI MULE 3010 DIESEL 4X4

HALLATON, INC.

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410 583 7700 • Fax: 410 583 7720

Geomembrane Installation and QC Procedures

Materials Logistics

Transportation and On-site Storage

The geomembrane rolls shall be shipped by trailer truck to job site. A full truckload consists of 12 rolls. The geomembrane shall be stored so as to be protected from puncture, dirt, grease, moisture and excessive heat. The damaged material shall be stored separately for repair or replacement. The rolls shall be stored on a prepared smooth surface (not wooden pallets) and should not be stacked more than three rolls high.

Earthwork

General

The owner or his representative (soil quality assurance inspector) shall inspect the subgrade preparation. Prior to liner installation the subgrade shall be compacted in accordance with the project specifications. Weak or compressible areas which cannot be satisfactorily compacted should be removed and replaced with properly compacted fill. All surfaces to be lined shall be smooth, free of all foreign and organic material, sharp objects, or debris of any kind. The subgrade shall provide a firm, unyielding foundation with no sharp changes or abrupt breaks in grade. Standing water or excessive moisture shall not be allowed.

The installer, on a daily basis, shall approve the surface on which the geomembrane will be installed. After the supporting soil surface has been approved, it shall be the installer's responsibility to indicate to the inspector any changes to its condition that may require repair work.

Vegetation Control

The general contractor, if necessary, shall sterilize the area using an effective soil sterilant specifically formulated for vegetation present in the area. The sterilant shall not be harmful to the liner and shall be applied according to the recommendations of its manufacturer.

Anchor Trench

The anchor trench shall be excavated to the line, grade, and width shown on the project construction drawings, prior to liner system placement. Slightly rounded corners shall be provided in the trench to avoid sharp bends in the geomembrane.

IAGI

Promoting Industry Growth • Providing Better Quality Workmanship

Approved Installation Contractor

This Certificate Recognizes That

Hallaton, Inc.

Has achieved Approved Installation Contractor status through the International Association of Geosynthetic Installers.

Valid through August 18, 2011

Carl Apicella

Laurie Honnigford
Managing Director, IAGI

HALLATON, INC.
LIMITED WORKMANSHIP WARRANTY

Warranty No: _____
Project No: _____
Effective Date: _____

PURCHASER NAME: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

PROJECT NAME: _____

DESCRIPTION: _____

ADDRESS: _____

CITY, STATE, ZIP _____

SAMPLE

HALLATON, INC. warrants each LINER SYSTEM installed by HALLATON, INC. to be free from defects in workmanship. This "Workmanship Warranty" shall be in effect from the date the installation of the Liner System is completed and accepted by the Owner for a period of one year of normal use in approved applications.

This Limited Warranty does not include damages or defects in The Liner System resulting from acts of God, casualty or catastrophe including but not limited to: earthquakes, floods, piercing hail, tornadoes or force majeure. The term "normal use" as used herein does not include, among other things, the exposure of The Liner System to harmful chemicals, abuse of The Liner System by machinery, equipment or people, excessive pressures or stress from any source, subsurface or overburdened soil conditions, and total or differential soil settlements and the effect these may have on the liner system.

Should defects or premature loss of use within the scope of the above Limited Workmanship Warranty occur, Hallaton, Inc. will, at its option, repair or replace the Liner on a pro-rata basis at the then current price in such manner as to charge the Purchaser/User only for that portion of the warranted life which has elapsed since purchase of the material. Hallaton, Inc. will have the right to inspect and determine the cause of any alleged defect in the Liner and to take appropriate steps to repair or replace the Liner if a defect exists and is within the term of this Limited Warranty.

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the President of Hallaton, Inc. within thirty (30) days after the alleged defect is noticed. Should the required notice not be given, the defect and all warranties shall be deemed to have been waived by the Purchaser, and Purchaser shall have no right of recovery against Hallaton, Inc. In the event repairs and/or replacements are to be effected, said repairs and/or replacements shall not become due until the area subject to repair and/or replacement of The Liner is available to Hallaton, Inc. in a clean, dry, unencumbered condition. This includes, but is not limited to, the area made available for repair and/or replacement of The Liner to be free from all water, dirt, sludge, residuals, and liquids of any kind.

Hallaton, Inc.'s liability under this warranty shall in no event exceed the replacement cost of the material and installation sold to the Purchaser for the particular installation in which it failed. Further, under no circumstances shall Hallaton, Inc. be liable for any special, direct, indirect, or consequential damages arising from loss of production or any other losses including losses due to personal injuries and product liability owing to the failure of the material or installation and no allowance will be made for repairs, replacements, or alterations made by the Purchaser without the express written consent of Hallaton, Inc.

Hallaton, Inc. neither assumes nor authorizes any person other than an officer of Hallaton, Inc. to assume for it any other or additional liability in connection with the Liner System made the basis of the Limited Warranty. The Limited Workmanship Warranty on the Liner herein is given in lieu of all other possible material warranties, either express or implied, and by accepting delivery of the material, Purchaser waives all other possible workmanship warranties, except those specifically given.

The parties expressly agree that the sale hereunder is for commercial or industrial use only.

Hallaton, Inc. Limited Warranty is extended to the purchaser/owner and is non transferable and non-assignable.

Purchaser acknowledges by acceptance that the Limited Workmanship Warranty given herein is accepted in preference to any and all other possible workmanship warranties.

HALLATON, INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESS OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

WARRANTY BECOMES EFFECTIVE UPON RECEIPT OF FINAL PAYMENT

I hereby state I have read and understood the above and foregoing Limited Warranty and agree to such by signing hereunder.

PURCHASER NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

SAMPLE

HALLATON, INC.

_____
President

Sworn before me this_____day of_____,19____.

_____

Equistar Chemicals, LP
One Houston Center
1221 McKinney
Houston TX 77010

Certificate Of Analysis

Certificate of Analysis Contact:
TRACY BRADFORD
GSE LINING TECHNOLOGY
HOUSTON TX 77073
Fax No. : 281-230-8630

Ship-To Address:
GSE LINING TECHNOLOGY INC
1246 EASTLAND AVENUE
KINGSTREE SC 29556
USA

Equistar Material	: 504295 PETROTHENE LR732001	Customer Order No.	: 03-062904
Batch Number	: CB20072202	Customer Number	: 42584
Vehicle Number	: CITX200281	Date Shipped	: July 23, 2010
Estimated Quantity	: 206,100 LBS	Equistar Order No.	: 1009759 000010
		Delivery Item No.	82336121 000010

Test Description	Test Result	Unit of Measure	
Vehicle ID	CITX200281		
Vehicle Type	HOPPER CAR		
Density, Extrudate @ 23C	0.9522	g/cc	STM 011
Melt Index, 2160g @ 190C	0.32	g/10 min	STM 002

Date reported was generated in an approved Quality Assurance Lab.

Print Date: July 23, 2010 BNLITTLE
This information is available 24 hours a day at:
www.CustomerXPRESS.com
Questions / Call Customer Service: 888-777-0232

This Certificate of Analysis contains the most current information available as of the print date.
This document shall not be reproduced except in full, without the written approval of the issuer.

EL PASO MERCHANT ENERGY
MPA BASIN CONSTRUCTION
EL DORADO REFINERY
EL DORADO, KS

Submittal #1

7.2.2 - 60 mil HDPE Geomembrane Liner

Hallaton Installations Submittals

- Hallaton- Approved IAGI-AIC Certificate
- Hallaton Installation Warranty- (1 yr)
- Proposed use of Kawasaki Mule 4x4
- Hallaton QC Manual
- Field QC Forms- (Blank)
- Crew List and Equipment
- Hallaton Qualifications
- Crew Qualifications

PREPARED BY:
Hallaton, Inc.
1206 Sparks Rd.
Sparks, MD 21152
September 16, 2010

CoA Date: 02/19/2009

Certificate of Analysis

Shipped To: AGRU AMERICA:RAINS
MILEPOST SH317
RAINS SC 29589
USA

Recipient: PALMER
Fax:

CPC Delivery #: 87816172
PO #: 4960
Weight: 193900 LB
Ship Date: 02/19/2009
Package: BULK
Mode: Hopper Car
Car #: CITX703383
Seal No: 263059

Product:
MARLEX POLYETHYLENE K307 BULK

Lot Number: 7190230

Property	Test Method	Value	Unit
HLMI Flow Rate	ASTM D1238	21.00	g/10mi
Density	ASTM D1505	0.9380	g/cm3

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP.
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Troy Griffin
Quality Systems Coordinator

For CoA questions contact Customer Service Representative at +1-832-813-4637

CoA Date: 04/26/2010

Certificate of Analysis

Shipped To: AGRU AMERICA INC
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

CPC Delivery #: 88043985
PO #: 005390
Weight: 195400 LB
Ship Date: 04/26/2010
Package: BULK
Mode: Hopper Car
Car #: CHVX889575
Seal No: 264830

Product:
MARLEX POLYETHYLENE K307 BULK

Lot Number: 7100396

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.22	g/10mi
HLMI Flow Rate	ASTM D1238	20	g/10mi
Density	D1505 or D4883	0.937	g/cm3
Pellet Count	P02.08.03	23	pel/g
Production Date		03/29/2010	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP.
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Troy Griffin
Quality Systems Coordinator

For CoA questions contact Customer Service Representative at +1-832-813-4637

agru america quality control dept

quality certificate

ROLL # **825575-10** Lot #: **10E1119** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC	ENGLISH
	MIN:	1.44 mm	57 mil
	MAX:	1.55 mm	61 mil
Asperity GRI GM12: 32/31 mil ODD # : TOP EVEN # : BOTTOM	AVE:	1.49 mm	59 mil

Thickness.....	1.5 mm	60 mil
Length.....	153.926 m	505.0 feet
Width.....	7.00 m	23.0 feet
OIT(Standard) ASTM D3895 minutes	240	

					TEST RESULTS
Specific Gravity ASTM D792	Density	g/cc			.949
MFI ASTM D1238 COND. E GRADE: DF3721A	Melt Flow Index 190°C /2160 g	g/10 min			.19
Carbon Black Content ASTM D4218	Range	%			2.19
Carbon Black Dispersion ASTM D5596	Category				10 IN CAT 1
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	26 N/mm	149 ppi	2,547	psi
	Average Strength @ Break	31 N/mm	178 ppi	3,036	psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%		15.45	
Lo = 2.0" Break	Average Elongation @ Break	%		485.7	
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%		-0.23	
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	231.9 N		52.138	lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	423.0 N		95.101	lbs
Puncture Resistance ASTM D4833 (Modified)	Load	617.0 N		138.71	lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs		CERTIFIED	
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs		ONGOING	

Customer: **T&K Construction LLC**
PO: **535-01 Butcher Creek Sanitary LF**
Destination **Chase City, VA**

Date: **06/27/10**
Signature: H Palmer
Quality Control Department

60HDmic FRM REV 03 12/23/05

Chevron Phillips Chemical Company LP

CoA Date: 09/11/2010

Certificate of Analysis

Shipped To: AGRU AMERICA INC
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

CPC Delivery #: 88125637
PO #: 5589
Weight: 194300 LB
Ship Date: 09/11/2010
Package: BULK
Mode: Hopper Car
Car #: CHVX898030
Seal No: 265446

Product:
MARLEX POLYETHYLENE K307 BULK

Lot Number: 7101119

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.24	g/10mi
HLMI Flow Rate	ASTM D1238	20	g/10mi
Density	D1505 or D4883	0.937	g/cm3
Pellet Count	P02.08.03	26	pel/g
Production Date		09/09/2010	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP.
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Troy Griffin
Quality Systems Coordinator

For CoA questions contact Customer Service Representative at +1-832-813-4782

agru america quality control dept

quality certificate

ROLL # **825464-10** Lot #: **10E1119** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC		ENGLISH	
	MIN:	1.40	mm	55	mil
	MAX:	1.49	mm	59	mil
Asperity GRI GM12:30/34 mil ODD # : TOP EVEN #: BOTTOM	AVE:	1.44	mm	57	mil

Thickness.....	1.5 mm	60 mil	
Length.....	153.926 m	505.0	feet
Width.....	7.00 m;	23.0	feet
OIT(Standard) ASTM D3895 minutes	240		

						TEST RESULTS	
Specific Gravity ASTM D792	Density	g/cc				.945	
MFI ASTM D1238 COND. E GRADE: DF3721A	Melt Flow Index 190°C /2160 g	g/10 min				.19	
Carbon Black Content ASTM D4218	Range	%				2.29	
Carbon Black Dispersion ASTM D5596	Category					10 IN CAT 1	
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	25	N/mm	142	ppi	2,501	psi
	Average Strength @ Break	31	N/mm	174	ppi	3,073	psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%				14.11	
Lo = 2.0" Break	Average Elongation @ Break	%				476.5	
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%				-0.23	
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	223.5	N			50.258	lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	411.2	N			92.447	lbs
Puncture Resistance ASTM D4833 (Modified)	Load	598.5	N			134.55	lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs				CERTIFIED	
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs				ONGOING	

Customer: **T&K Construction LLC**
PO: **535-01 Butcher Creek Sanitary LF**
Destination **Chase City, VA**

Date: **06/25/10**
Signature: [signature]
Quality Control Department

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agru america quality control dept

quality certificate

ROLL # **825567-10** Lot #: **10E1119** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC		ENGLISH	
	MIN:	1.44	mm	57	mil
	MAX:	1.51	mm	59	mil
Asperity GRI GM12:31/32 mil ODD # : TOP EVEN #: BOTTOM	AVE:	1.49	mm	59	mil

Thickness.....	1.5 mm	60 mil	
Length.....	153.926 m	505.0	feet
Width.....	7.00 m;	23.0	feet
OIT(Standard) ASTM D3895 minutes	240		

						TEST RESULTS	
Specific Gravity ASTM D792	Density	g/cc				.945	
MFI ASTM D1238 COND. E GRADE: DF3721A	Melt Flow Index 190°C /2160 g	g/10 min				.19	
Carbon Black Content ASTM D4218	Range	%				2.38	
Carbon Black Dispersion ASTM D5596	Category					10 IN CAT 1	
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	26	N/mm	147	ppi	2,501	psi
	Average Strength @ Break	32	N/mm	180	ppi	3,073	psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%				14.11	
Lo = 2.0" Break	Average Elongation @ Break	%				476.5	
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%				-0.23	
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	223.5	N			50.258	lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	411.2	N			92.447	lbs
Puncture Resistance ASTM D4833 (Modified)	Load	598.5	N			134.55	lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs				CERTIFIED	
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs				ONGOING	

Customer: **T&K Construction LLC**
PO: **535-01 Butcher Creek Sanitary LF**
Destination **Chase City, VA**

Date: **06/25/10**
Signature: [signature]
Quality Control Department

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agru america quality control dept

quality certificate

ROLL # **230354-09** Lot #: **7190230** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC	ENGLISH		
	MIN:	1.44 mm	57 mil	Thickness.....	1.5 mm / 60 mil
	MAX:	1.57 mm	62 mil	Length.....	125 m / 410.1 feet
Asperity ASTM D7468: 32 mil ODD # : TOP EVEN #: BOTTOM	AVE:	1.52 mm	60 mil	Width.....	7.00 m / 23.0 feet
				OIT(Standard) ASTM D3895 minutes	175

					TEST RESULTS
Specific Gravity ASTM D792	Density	g/cc			.948
MFI ASTM D1238 COND. E GRADE: K307	Melt Flow Index 190°C /2160 g	g/10 min			.21
Carbon Black Content ASTM D4218	Range	%			2.69
Carbon Black Dispersion ASTM D5596	Category				10 In Cat 1
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	25 N/mm (kN/m)	145 ppi		2,418 psi
	Average Strength @ Break	34 N/mm (kN/m)	192 ppi		3,203 psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%			18.73
Lo = 2.0" Break	Average Elongation @ Break	%			494.1
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%			-0.59
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	226.9 N			51.005 lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	416.2 N			93.569 lbs
Puncture Resistance ASTM D4833 (Modified)	Load	605.1 N			136.04 lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs			CERTIFIED
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs			ONGOING

Customer: **Hallaton, Inc.**
PO: **P6885 Midshore II Landfill**
Destination **Easton, MD**

Date: **7-22-09**
Signature: [signature]
Quality Control Department

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quality certificate

ROLL # **320775-10** Lot #: **7100396** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC	ENGLISH		
	MIN:	1.42 mm	56 mil	Thickness.....	1.5 mm / 60 mil
	MAX:	1.72 mm	68 mil	Length.....	153.926 m / 505.0 feet
Asperity ASTM D7466: 28/31 mil ODD # : TOP EVEN # BOTTOM	AVE:	1.50 mm	59 mil	Width.....	7.00 m / 23.0 feet
				OIT(Standard) ASTM D3895 minutes	181

					TEST RESULTS
Specific Gravity ASTM D792	Density	g/cc			.942
MFI ASTM D1238 COND. E GRADE: K307	Melt Flow Index 190°C /2160 g	g/10 min			.22
Carbon Black Content ASTM D4218	Range	%			2.28
Carbon Black Dispersion ASTM D5596	Category				10 In Cat 1
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	26 N/mm (kN/m)	150 ppi		2,541 psi
	Average Strength @ Break	31 N/mm (kN/m)	177 ppi		3,006 psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%			17.94
Lo = 2.0" Break	Average Elongation @ Break	%			494.9
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%			-0.24
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	248.1 N			55.781 lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	389.7 N			87.621 lbs
Puncture Resistance ASTM D4833 (Modified)	Load	601.4 N			135.19 lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs			CERTIFIED
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs			ONGOING

Customer: **Hallaton, Inc.**
PO: **P7138 Ocean Landing WWTP**
Destination **Berlin, MD**

Date: **5-23-10**
Signature: [signature]
Quality Control Department

60HDmic.FRM REV 03 12/23/05

GSE Lining Technology, Inc

Roll Test Data Report

Sales Order No.	Project Number	Customer Name	Project Location	Product Name	Report Date
62788		Hallaton, Inc.	El Dorado, KS	GNS-20GE-00-00-E-00	10/14/2010

ASTM D 5199 M D 1777/D 74 D 4218 D 1505/D 792

Roll No.	Average Thickness (mils)	Average Grab Tensile Strength (lbs)	Average Carbon Black Content (%)	Average Density (g/cc)
131351983	221	53	2.4	0.961
131351984	221	53	2.4	0.961
131351985	221	53	2.4	0.961
131351988	220	57	2.4	0.959
131351987	220	57	2.4	0.959
131351988	220	57	2.4	0.959
131351989	220	57	2.4	0.959
131351990	220	57	2.3	0.960
131351991	220	57	2.3	0.960
131351992	220	57	2.3	0.960
131351993	220	57	2.3	0.960
131351994	220	57	2.3	0.960
131351995	220	57	2.3	0.960
131351996	221	53	2.3	0.960
131351997	221	53	2.3	0.960
131351998	221	53	2.3	0.960
131351999	221	53	2.3	0.960

GSE QC Approved

Laboratory Manager: [signature]

This test report shall not be reproduced, except in full, without written approval of the laboratory.

Kingstree Lab - US

agru America quality control dept.

quality certificate

ROLL # 141782-10 Lot #: 7101119 Liner Type: MICROSPIKE™ HDPE

Measurement ASTM D5994 (Modified)		METRIC	ENGLISH		
	MIN:	1.50 mm	59 mil	Thickness.....	1.5 mm 60 mil
	MAX:	1.67 mm	66 mil	Length.....	153.928 m 505.0 feet
Asperity ASTM D7466: 30/35 mil TOP / BOTTOM	AVE:	1.59 mm	63 mil	Width.....	7.00 m; 23.0 feet

OIT(Standard) ASTM D3895 minutes 198

				TEST RESULTS
Specific Gravity ASTM D792	Density	g/cc		.944
MFI ASTM D1238 COND. E GRADE: K307	Melt Flow Index 190°C /2160 g	g/10 min		.24
Carbon Black Content ASTM D4218	Range	%		2.42
Carbon Black Dispersion ASTM D5596	Category			10 In Cat 1
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	27 N/mm (kN/m)	152 ppi	2,431 psi
	Average Strength @ Break	40 N/mm (kN/m)	227 ppi	3,623 psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield	Average Elongation @ Yield	%		18.26
Lo = 2.0" Break	Average Elongation @ Break	%		589.9
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%		-1.13
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	229.9 N		51.682 lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	446.2 N		100.32 lbs
Puncture Resistance ASTM D4833 (Modified)	Load	592.5 N		133.20 lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs		CERTIFIED
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs		PASS

Customer: Hallaton, Inc
PO:: P7279 DSWA Central LF
Destination Felton, MD

Date: 10-17-10

Signature: [signature]
Quality Control Department

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ROLL # **230351-09** Lot #: **7190230** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC	ENGLISH
	MIN:	1.47 mm	58 mil
	MAX:	1.59 mm	63 mil
Asperity ASTM D7466: 28 mil	AVE:	1.53 mm	60 mil

ODD # : TOP EVEN #: BOTTOM

Thickness.....	1.5 mm	60 mil
Length.....	125 m	410.1 feet
Width.....	7.00 m;	23.0 feet
OIT(Standard) ASTM D3895 minutes	175	

					TEST RESULTS
Specific Gravity ASTM D792	Density	g/cc			.948
MFI ASTM D1238 COND. E GRADE: K307	Melt Flow Index 190°C /2160 g	g/10 min			.21
Carbon Black Content ASTM D4218	Range	%			2.76
Carbon Black Dispersion ASTM D5596	Category				10 In Cat 1
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	26 N/mm (kN/m)	146 ppi		2,418 psi
	Average Strength @ Break	34 N/mm (kN/m)	193 ppi		3,203 psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield Lo = 2.0" Break	Average Elongation @ Yield	%			18.73
	Average Elongation @ Break	%			494.1
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%			-0.59
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	226.9 N			51.005 lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	416.2 N			93.569 lbs
Puncture Resistance ASTM D4833 (Modified)	Load	605.1 N			136.04 lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs			CERTIFIED
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs			ONGOING

Customer: **Hallaton, Inc.**
PO: **P6885 Midshore II Landfill**
Destination **Easton, MD**

Date: **7-22-09**
Signature
Quality Control Department

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agru america quality control dept

quality certificate

ROLL # **230352-09** Lot #: **7190230** **Liner Type: MICROSPIKE™ HDPE**

Measurement ASTM D5994 (Modified)		METRIC	ENGLISH
	MIN:	1.42 mm	56 mil
	MAX:	1.57 mm	62 mil
Asperity ASTM D7466: 29 mil	AVE:	1.50 mm	59 mil

ODD # : TOP EVEN #: BOTTOM

Thickness.....	1.5 mm	60 mil
Length.....	125 m	410.1 feet
Width.....	7.00 m;	23.0 feet
OIT(Standard) ASTM D3895 minutes	175	

					TEST RESULTS
Specific Gravity ASTM D792	Density	g/cc			.948
MFI ASTM D1238 COND. E GRADE: K307	Melt Flow Index 190°C /2160 g	g/10 min			.21
Carbon Black Content ASTM D4218	Range	%			2.76
Carbon Black Dispersion ASTM D5596	Category				10 In Cat 1
Tensile Strength ASTM D6693 ASTM D638 (Modified) (2 inches / minute)	Average Strength @ Yield	25 N/mm (kN/m)	143 ppi		2,418 psi
	Average Strength @ Break	33 N/mm (kN/m)	189 ppi		3,203 psi
Elongation ASTM D6693 ASTM D638 (Modified) (2 inches / minute) Lo = 1.3" Yield Lo = 2.0" Break	Average Elongation @ Yield	%			18.73
	Average Elongation @ Break	%			494.1
Dimensional Stability ASTM D1204 (Modified)	Average Dimensional change	%			-0.59
Tear Resistance ASTM D-1004 (Modified)	Average Tear Resistance	226.9 N			51.005 lbs
Puncture Resistance FTMS 101 Method 2065 (Modified)	Load	416.2 N			93.569 lbs
Puncture Resistance ASTM D4833 (Modified)	Load	605.1 N			136.04 lbs
ESCR ASTM D1693	Minimum Hrs w/o Failures	1500 hrs			CERTIFIED
Notched Constant Tensile Load ASTM D5397	pass / fail @ 30%	300 hrs			ONGOING

Customer: **Hallaton, Inc.**
PO: **P6885 Midshore II Landfill**
Destination **Easton, MD**

Date: **7-22-09**
Signature
Quality Control Department

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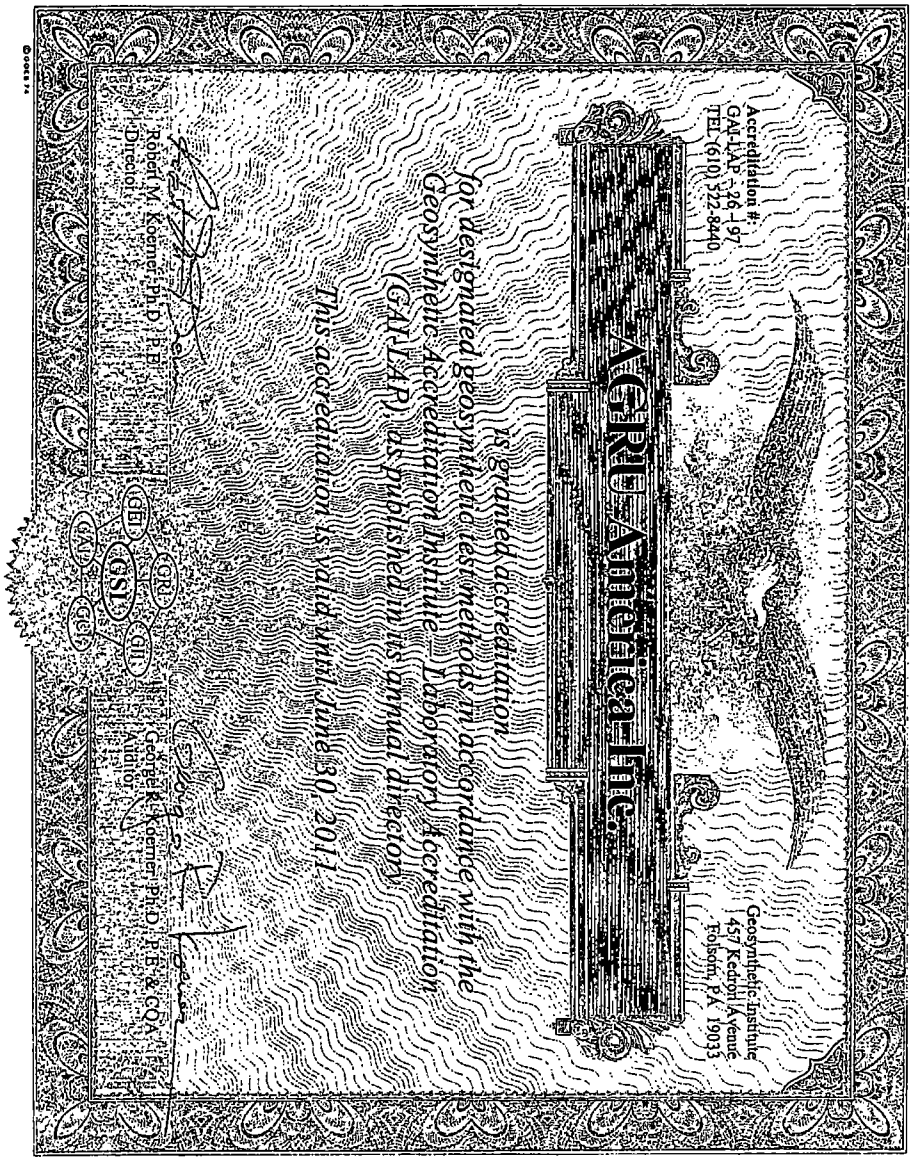


Geosynthetic Institute
475 Kedron Avenue
Folsom, PA 19033-1208 USA
TEL (610) 522-8440
FAX (610) 522-8441

GRI
GEI GSI GII
GAI GCI

June 7, 2010

Mr. Grant Palmer
Laboratory Director
Agru-America Inc.
500 Garrison Road
Georgetown, SC 29440

Re: GAI-LAP Accreditation

Dear Grant:

The Geosynthetic Institute (GSI) is pleased to acknowledge Agru-America Inc. on its repertoire of Geosynthetic Accreditation Institute's-Laboratory Accreditation Program (GAI-LAP) accredited tests. This letter should serve as notification that Agru-America Inc. located in Georgetown, SC is currently accredited for the following twenty test methods until June 30, 2011.

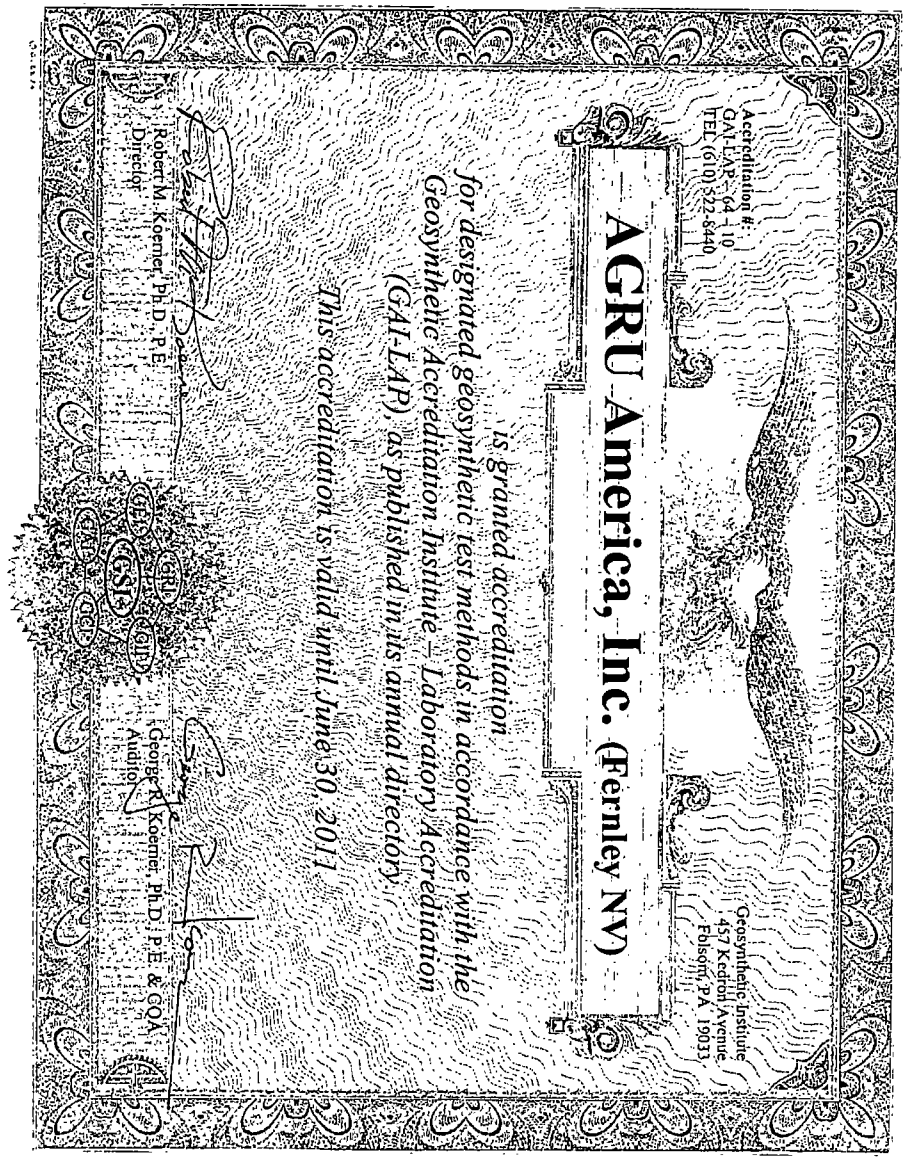
1. ASTM D792 Test Method for Specific Gravity (Relative Density) and Density of Plastics by Displacement
2. ASTM D1004 Test Method for Initial Tear Resistance of Plastic Film and Sheeting
3. ASTM D1204 Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
4. ASTM D1238 Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer
5. ASTM D1693 Test Method for Environmental Stress-Cracking of Ethylene Plastics
6. ASTM D3895 Test Methods for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
7. ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
8. ASTM D4716 Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
9. ASTM D4833 Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products

10. ASTM D5035 Test Method for Breaking Strength and Elongation of Textile Fabrics (Strip Method)
11. ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
12. ASTM D5261 Test Method for Measuring Mass per Unit Area of Geotextiles
13. ASTM D5397 Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes using Notched Constant Tension Load Test
14. ASTM D5596 Test Methods for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
15. ASTM D5994 Test Method for Measuring the Core Thickness of Textured Geomembranes
16. ASTM D6693 Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes
17. ASTM D7005 Test Method for Determining the Bond Strength (Ply Adhesion) of Geocomposites
18. ASTM D7179 Test Method for Determining the Geonet Breaking Force
19. FTM STD. No. 101c (method 2065), Puncture Resistance and Elongation Test (1/8 in. radius probe)
20. ASTM D7466 Test Method for Measuring the Asperity Height of Textured Geomembranes

A certificate to this affect has been enclosed, signed and sealed. Any questions regarding your accreditation should be directed to George or Robert Koerner at (610) 522-8440. Once again congratulation and thank you for participating in the GAI-LAP.

Best Regards,

George R. Koerner, Ph.D., P.E. & CQA
Director Designate GSI



Geosynthetic Institute
475 Kedron Avenue
Folsom, PA 19033-1208 USA
TEL (610) 522-8440
FAX (610) 522-8441

February 18, 2010

Mr. Chris Adams
Agru America
2000 East Newlands Drive
Fernley, NV 89408

Re: GAI-LAP

Dear Chris:

The Geosynthetic Institute (GSI) is pleased to acknowledge Agru-America Inc. on its repertoire of Geosynthetic Accreditation Institute's-Laboratory Accreditation Program (GAI-LAP) accredited tests. This letter should serve as notification that Agru-America Inc. located in Fernley, Nevada is currently accredited for the following fourteen test methods until June 30, 2011.

1. ASTM D792 Test Method for Specific Gravity (Relative Density) and Density of Plastics by Displacement
2. ASTM D1004 Test Method for Initial Tear Resistance of Plastic Film and Sheeting
3. ASTM D1204 Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
4. ASTM D1238 Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer (2.16 kg and 190 degree Celsius)
5. ASTM D3895 Test Method for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
6. ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
7. ASTM D4833 Test Method for Index Puncture of Geotextiles, Geomembranes and Related Products
8. ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
9. ASTM D5397 Test Method for NCTL Stress Crack Appendix "A"
10. ASTM D5596 Test Method for Dispersion
11. ASTM D5994 Test Method for Core Thickness

12. ASTM D6693 Standard of Method for Determining Tensile Properties of Nonreinforced Polyethylene and nonreinforced Flexible Polypropylene Type IV die with cross head movement
13. ASTM D7466 Test Method for Measuring the Asperity Height of Textured Geomembranes
14. FTM 101C Test Method 2065 for Puncture

A certificate to this affect has been enclosed, signed and sealed. Any questions regarding your accreditation should be directed to George or Robert Koerner at (610) 522-8440. Once again congratulation and thank you for participating in the GAI-LAP.

Best Regards,

George R. Koerner, Ph.D., P.E. & CQA
Director Designate GSI

Agru America Projects List- 60 HD Micro

O/A	Customer	Thickness	Quantity/SF	Application
09804	Davidson County Landfill Thomasville, NC T&K Construction, LLC Vinemont, AL	60 HD Micro	687567	
09440	T&K Construction Woodruff LF Brevard, NC T&K Construction Vinemont, Al	60 HD Micro	301408	
09196	T&K Construction LLC Wellford County Landfill Wellford, SC T&K Construction LLC Vinemont, AL	60 HD Micro	828872	Landfill
09172	T&K Construction Perdio Landfill Cantonment, FL T&K Construction Vinemont, AL	60 HD Micro	56400	Landfill
9/5/06 06254	T&K Construction Greenwood County Landfill Greenwood, SC T&K Construction Vinemont, AL	60 HD Micro	94,300	Landfill
8/23/06 06203	T&K Construction New Georgia Landfill T&K Construction Vinemont, AL	60 HD Micro	556,370	Landfill
6/14/06 07934	T&K Construction Greenwood, SC T&K Construction Vinemont, AL	60 HD Micro	754,400	
3/3/06 07525	T&K Construction Rome, GA Plastic Fusion Huntsville, FL	60 HD Micro	676,960	
9/6/05 Doc 06876	T.& K Construction To be advised T.& K Construction Vinemont, AL	60 HD Micro	94,300	
09337	Pick up at Plant Z-Tech Desmaraisville Project Quebec, Canada	60 HD Micro	94190	
09934	Blackburn LF Catawba County, NC Mid America Union City, TN	60 HD Micro	716,680	Landfill
09931	Baltimore Gas and Electric Baltimore, MD TEP Houston, TX	60 HD Micro	28257	
09914	Gaston County Landfill Dallas, NC ESI Baton Rouge, LA	60 HD Micro	133028	
09849	Thomasville Sunset Drive Thomasville, GA GSI Waukesha, WI	60 HD Micro	622380	
09735	Envirocon, Inc. Yorktown, PA AEG Richfield, OH	60 HD Micro	226,056	
09663	LaGrange Sanitary LF LaGrange, GA ESI Baton Rouge, LA	60 HD Micro	66010	Landfill
09631	AES Somerset Barker, NY Chenango Johnson City, NY	60 HD Micro	9419	
09621	Hallaton, Inc. Sparks, MD Towson, MD	60 HD Micro	66010	Stock
09568	Carroll Grayson Galax LF Hillsville, VA EDCI Huntsville, AL	60 HD Micro	377200	LF
09567	City of Lynchburg Waste Mgt. Facility Lynchburg, VA EDCI Huntsville, AL	60 HD Micro	273470	
09566	Stone's Throw Landfill Talapossa, AL Advanced Disposal Ball Ground, GA	60 HD Micro	18828	Landfill
09519	Pioneer Crossing Birdboro, PA GSI Waukesha, WI	60 HD Micro	28290	
09514	Seneca Landfill Evans City, PA AEG Richfield, OH	60 HD Micro	679126	Landfill
09474	Sterling Farms Jacksonville, NC Comanco Plant City, FL	60 HD Micro	263732	
09471	Superior Drainage Products	60 HD Micro	28290	

	Knoxville, TN DX2 Lawrenceville, GA			
09465	IESI Blue Ridge LF Chambersburg, PA ESI Baton Rouge, LA	60 HD Micro	207460	Landfill
09457	Superior Drainage Knoxville, TN DX2 Lawrenceville, GA	60 HD Micro	28290	
09444	Phillips and Jordan Perry Uniontown Landfill Uniontown, AL Phillips and Jordan Knoxville, TN	60 HD Micro	23000	Landfill
09432	City of Nacodoches LF Nacodoches, TX ESI Baton Rouge, LA	60 HD Micro	132020	Landfill
09423	River City Disposal Big Run Landfill Ashland, KY ESI Baton Rouge, LA	60 HD Micro	273470	Landfill
09414	Customer to Pick Up at Plant West Point, VA ACF Landsaver Environmental Richmond, VA	60 HD Micro	37720	
09411	Baltimore Gas & Electrical Baltimore, MD TEP Houston, TX	60 HD Micro	56580	
09341	Stone's Throw Landfill Tallapossa, AL Advanced Disposal Services Ball Ground, GA	60 HD Micro	310827	Landfill
09325	Dupont New Johnsonville New Johnsonville, TN GSI Waukesha, WI	60 HD Micro	122590	
09310	LRI Landfill Cell 2 Closure Graham, WA Great Basin Hermiston, OR	60 HD Micro	329728	Landfill
09299	Customer to Pick Up at Plant Walla Walla, WA NW Linings Kent, WA	60 HD Micro	292330	WWTP
09294	Oxford WWTP Oxford, MS GSI, Inc. Waukesha, WI	60 HD Micro	594090	WWTP
		37 projects = 10,100,668 SF		

agru America

SAMPLE ONLY

LIMITED MATERIAL WARRANTY

CUSTOMER NAME:
PROJECT:
TYPE MATERIAL: 40 mil LLDPE Microspike®, 40 mil LLDPE Smooth, 60 mil HDPE Smooth and 60 mil HDPE Microspike®
LOCATION:

The company, referred to herein as AGRU AMERICA, warrants that AGRU AMERICA liners will correspond to the specifications as indicated in AGRU AMERICA technical records, catalogs, guidelines and test certificates at the time when sold.

AGRU AMERICA warrants that the material is faultless and resistant for a period of one (1) year, prorated from the point of time sold when properly installed, covered and used for: Landfill.

AGRU AMERICA's liability under this warranty is not applicable when damage is caused by:
Natural phenomena such as thunderstorms, floods, earthquakes, acts of war or other acts of God;
Chemicals which are not suitable for HDPE/LLDPE liners according to chemical resistance guides or from experience.

Further, AGRU AMERICA is not liable for damages due to the misapplication, incorrect installation, and damages resulting from any kind of inadequate handling. In the event that any defects are noticed in the liner, AGRU AMERICA must be notified in writing within thirty (30) days.

AGRU AMERICA shall be given an opportunity to ascertain the cause of damages. AGRU AMERICA reserves the right to decide how damages will be settled.

Under no circumstances will AGRU AMERICA assume liability for consequential damages due to defective liner or incorrect installation. AGRU AMERICA will not be responsible for failures arising from incorrect welding of seams in the installation.

Further, AGRU AMERICA's warranty will be void in the event that the buyer performs repairs or makes alterations without the express approval of AGRU AMERICA in writing. AGRU AMERICA's maximum liability under this warranty will not exceed the purchase price of liner and will only be in force when payment has been made in full and further claims regardless of the legal suppositions are not applicable.

This warranty is only valid on condition that the generally approved technical standards and in particular the guidelines for the installation of the liner are followed.

For AGRU AMERICA, Inc.

Authorized Official (Date)

Paul W. Barker (Date: Date of Installation)
Vice President

Corporate Offices: 500 Garrison Road, Georgetown, S.C. 29440 * 843-546-0600 * 800-321-1379 * Fax 843-546-0516
Sales Office: 700 Rockmead, Suite 150, Kingwood, TX 77339 * 281-358-4741 * 800-373-2478 * Fax 281-358-5297

Technology in Plastics

Hallaton, Inc.

Hallaton, Inc. is a well established lining installation company within the Geosynthetic Industry. Hallaton is one of the largest installers of Agru America, Inc.'s products in the Mid Atlantic region and one of our top installers in the United States...

Agru America, Inc. has worked successfully with Hallaton over the years on multiple projects where Hallaton has installed over 10,000,000 square feet of HDPE and LLDPE Smooth/Microspike material. Hallaton is familiar with approved installation procedures and we have recognized them as one of our top-tier "Prionty Installers".

Agru America, Inc. does not warrant or guarantee the work of any Approved Installer. Approved installers are independent contractors that provide specific installation services and do not act as agents or representatives of Agru America, Inc.

Paul Barker

Paul W. Barker
Technical Director
Agru America, Inc.

Date: September 16, 2010

Executive Offices: 500 Garrison Road, Georgetown, SC 29440 • 843 546-0600 • 800 321-1379 • Fax 843 546-0516
Sales Office: 700 Rockmead, Suite 150, Kingwood, TX 77339 • 281 358-4741 • 800 373-2478 • Fax 281 358-5297
Email: salesmkg@agruamerica.com

Technology in Plastics

Agru America, Inc. will confirm that the resin shall be made from virgin, uncontaminated ingredients and that no reclaimed polymer is added to the resin. Resin properties shall meet the requirements on any submittal.

Paul Barker

Paul W. Barker
Technical Director

Date: September 16, 2010

This is to confirm that all extrudate manufactured by Agru America, Inc. made from the same resin used to manufacture the HDPE Geomembrane. The two products have the same physical properties and Agru certifies that the HDPE Geomembrane and HDPE extrudate are compatible with one another.

Paul Barker (PW)

Paul W. Barker
Technical Director

Date: September 16, 2010

EL PASO MERCHANT ENERGY
MPA BASIN CONSTRUCTION
EL DORADO REFINERY
EL DORADO, KS

Submittal #3

7.2.1 - Geonet

- Material Data Sheet – GSE Hypernet (200 mil Geonet)
- Manufacturer's QA/QC Manual
- Manufacturer's Installation Manual
- Manufacturer's Qualifications

PREPARED BY:
Hallaton, Inc.
1206 Sparks Road
Sparks, MD 21152
September 16, 2010

The Pioneer Of Geosynthetics

SINCE 1973

GSE HyperNet Geonet

GSE HyperNet geonet is a synthetic drainage material manufactured from a premium grade high density polyethylene (HDPE) resin. The structure of the HyperNet geonet is formed specifically to transmit fluids uniformly under a variety of field conditions. The geonet is formulated to be resistant to ultraviolet light for a period of time necessary to complete the installation.

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE			
			HyperNet	HyperNet HF	HyperNet HS	HyperNet UF
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	9.66 (2 x 10^{-4})	14.49 (3 x 10^{-4})	28.98 (6 x 10^{-4})	38.64 (8 x 10^{-4})
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	0.94	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	45 (7.9)	55 (9.6)	65 (11.5)	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	2.0	2.0	2.0	2.0
NOMINAL ROLL DIMENSIONS						
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	200 (5)	250 (6.3)	275 (7)	300 (7.6)
Roll Width[2], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[2], ft (m)			330 (100)	290 (88)	270 (82)	250 (76)
Roll Area, ft^2 (m^2)			4,950 (460)	4,350 (404)	4,050 (376)	3,750 (348)

NOTES:

- [1]Gradient of 0.1, normal load of 10,000 psf, water at 70° F (20° C), between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [2]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

Product Data Sheet

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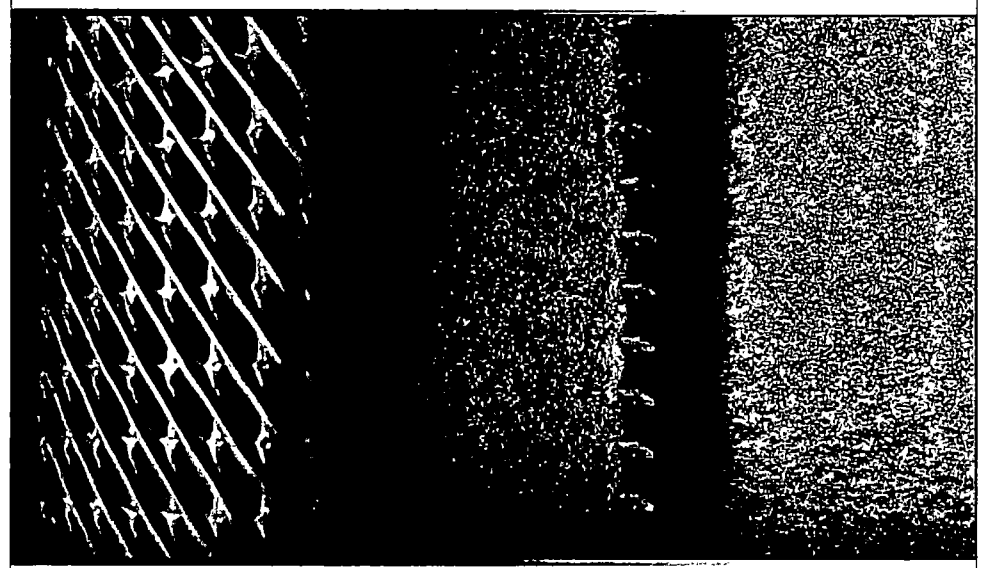
Manufacturing Quality Assurance Manual



Geonet & Geocomposite Products

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1.0 INTRODUCTION

This manual provides an overview of the GSE Manufacturing Quality Assurance Program for GSE geonet and geocomposite products. It is intended for use by GSE's customers to enhance their understanding of the quality system under which GSE geonet and geocomposite products are manufactured.

2.0 COMMITMENT TO QUALITY

GSE is committed to meeting or exceeding customer's requirements and industry standards. This commitment to quality is established through a documented quality management system, continuous employee training, investment in technology and emphasis on process control. GSE has allocated resources to ensure that this commitment to quality translates into the best products and services for its customers.

3.0 MANUFACTURING QUALITY ASSURANCE

GSE has an on-site quality assurance laboratory at each manufacturing facility worldwide. Each facility has a fully equipped, well staffed, dedicated laboratory with strict guidelines to maintain a high level of quality and up-to-the-minute results on GSE's finished products.

GSE has a rigorous set of minimum standards and an effective test program to assure compliance has been established. These procedures and requirements are frequently reviewed and adjusted to assure compliance with current market demands and/or predetermined project specificatians. Also raw materials and process parameters are controlled to provide products complying with GSE's minimum characteristics and regulatory standards.

4.0 MANUFACTURING QUALITY ASSURANCE ORGANIZATION

GSE quality assurance department assures that only products meeting GSE and/or the customer's requirements are released for shipment. The quality assurance personnel are directly responsible for monitoring, testing, and providing feedback to the manufacturing department ensuring the production of the specified product quality. Each member of the quality assurance team must participate in detailed training that includes factory exposure.

The GSE quality assurance team consists of the manufacturing quality assurance laboratories, engineering staff and manufacturing personnel. The combination of expertise and experience from these groups provide GSE with the proper tools to maintain the highest level of product quality and customer service in the industry.

5.0 STAFF & SCHEDULING

The quality assurance laboratories are staffed during any manufacturing run. A continuous communication link is maintained between the laboratory and manufacturing personnel, maximizing production efficiency and product quality.

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6.0 PRODUCT IDENTIFICATION & DOCUMENTATION

A. *Roll Numbering*
Each roll of geonet and geocomposite is assigned a unique roll number. The quality assurance laboratory maintains records documenting the raw materials and resulting product quality information.

B. *Approval Procedure*
Results for each tested roll of product are checked against both GSE and customer's specifications for compliance. The quality assurance laboratory approves those materials that meet these requirements for shipment.

C. *Non-Conformance*
Material that does not meet GSE's minimum standards or customer's specifications is given a roll number, but is rejected and separated from the approved material. The rejected material is then identified as non-conformaning and will not be used. Material that meets GSE's minimum standards, but does not meet a stricter customer's specification will not be allocated to that customer, but will be placed into inventory as a GSE's standard material.

D. *Documentation*
Quality assurance certificates are generated and supplied for each roll of geonet and geocomposite product to include all relevant quality assurance information about the material. The geotextile components of the drainage geocomposite materials are tracked throughout the manufacturing process. Therefore, traceability reports are available.

7.0 RECORDS RETENTION

GSE maintains reports and/or samples for products produced and sold. Records and/or samples are maintained according to GSE's standard retention policy as outlined below.

MATERIAL	ITEM	YEAR
Raw Materials	Resin Supplier Test Reports and Certifications GSE Resin Test Reports Resin Sample Retain (Archive)	≥ 2 ≥ 2 ≥ 2
Geonets & Geocomposites	Raw Test Data (in computer database) Quality Control Certificates (in computer database) Sample Retain (approximately one square foot)	≥ 5 ≥ 5 ≥ 5

8.0 TESTING CAPABILITIES

GSE maintains high capacity, state-of-the-art laboratory equipment suitable for performing the procedures (see Appendixes) in Houston, Texas, and Kingstree, South Carolina. Both quality assurance laboratories are accredited by the GAI-LAP Program. The appropriate certificates are maintained for review upon request by authorized parties.

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A. *Routine Testing*
GSE has developed a strict quality assurance program, which exceeds all industry's standard practices and/or customer's specifications. The testing program covers raw materials and finished goods and is adhered to by all GSE's quality assurance laboratories. The laboratory equipment used by GSE represents the most modern equipment available and it meets or exceeds the requirements of all the test standards used. Test frequencies and the number of test specimen per sample are established based on statistical analysis and complexity of procedures.

B. *Other Testing Capabilities*
In addition to routine testing, GSE's laboratories are equipped to perform a wide variety of other tests as required for unusual requests or product development. Further, although the GSE quality assurance laboratories are fully equipped and able to perform most routinely specified tests in the industry, there are some tests that are more economically performed by a dedicated testing facility. GSE believes requirements for such testing should be carefully considered and defined in terms of specific design requirements if they are found to be necessary.

9.0 MATERIAL QUALITY ASSURANCE

GSE has established strict specifications for all raw materials and finished products. Test results must fall within the acceptable limits of GSE and customer's specifications.

A. *Raw Material*
GSE uses two types of raw materials in the manufacture of geonet products: natural resin and masterbatch. Natural resin is the base material that is used to make a geonet. It contains stabilizers to prevent degradation from occurring during and after extrusion. Masterbatch is the term referring to the concentrated carbon black material blended with the natural resin to produce the finished product. The natural resin and masterbatch are blended at the appropriate ratio at the manufacturing stage. The masterbatch can contain other additives depending upon the geonet product to be produced. GSE verifies the properties of each lot of raw material prior to their utilization.

When natural resin is received, samples are taken and subjected to the tests as outlined in Appendix A. All test data are entered into the computer database and checked for accuracy, consistency and compliance with GSE's specifications. The material is not accepted unless all standard test requirements are met and the GSE's test values meet the requirements set forth in the raw material specifications.

The GSE test results for each lot of resin are provided in a separate report upon request. Virgin resin is normally received in railcar lots. If resin is received by other transport and/or in other quantities, an equivalent suitable sampling procedure is provided (i.e. not less than one sample per shipment or one sample for each 50,000 lb, 23,000 kg).

In the production of geocomposite products, geotextiles laminated to one or both sides of the geonet can also be considered a raw material or component of the finished product. Quality assurance certificates are provided for all geotextile rolls banded to the geocomposite.

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Appendix D: GSE HyperNet TRx Geonet Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE
Transmissivity[a], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	43.5 (9.0 x 10^{-4})
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	> 0.94
Tensile Strength [b], lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	> 2.0
NOMINAL ROLL DIMENSIONS			
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	300 (7.6)
Roll Width[d], ft (m)			15 (4.5)
Roll Length[d], ft (m)			200 (60)
Roll Area, ft^2 (m^2)			3,000 (279)

NOTES:
- [a]This is an index transmissivity value measured at stress = 1,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance transmissivity value for use in design.
- [b]Tested in machine direction (MD).
- [d]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix E: GSE PermaNet TRx Geonet Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE
Transmissivity[a], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	19.2 (4.0 x 10^{-4})
Creep Reduction Factor	GRI-GC8	once per formulation	1.2 @ 15,000 psf
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	> 0.94
Tensile Strength [b], lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	> 2.0
NOMINAL ROLL DIMENSIONS			
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	300 (7.6)
Roll Width[d], ft (m)			15 (4.5)
Roll Length[d], ft (m)			200 (60)
Roll Area, ft^2 (m^2)			3,000 (279)

NOTES:
- [a]This is an index transmissivity value measured at stress = 10,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance transmissivity value for use in design.
- [b]Tested in machine direction (MD).
- [d]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix F: GSE FabriNet Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE[1]		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			0.48 (1 x 10⁻⁴)	0.48 (1 x 10⁻⁴)	0.43 (9 x 10⁻⁵)
Single-Sided Composite			4.83 (1 x 10⁻⁴)	4.83 (1 x 10⁻⁴)	4.34 (9 x 10⁻⁵)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core[3] - GSE HyperNet					
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716		9.66 (2 x 10⁻⁴)	9.66 (2 x 10⁻⁴)	9.66 (2 x 10⁻⁴)
Density, g/cm³	ASTM D 1505	1/50,000 ft²	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	45 (7.9)	45 (7.9)	45 (7.9)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	2.0	2.0	2.0
Geotextile[3,4]					
Mass per Unit Area, oz/yd²(g/m²)	ASTM D 5261	1/90,000 ft²	6 (200)	8 (270)	10 (335)
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	160 (710)	220 (975)	260 (1,155)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	90 (395)	120 (525)	165 (725)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.212)	80 (0.180)	100 (0.150)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.5	1.3	1.0
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	110 (4,480)	95 (3,865)	75 (3,050)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	200 (5)	200 (5)	200 (5)
Roll Width[6], ft (m)			14.5 (4.4)	14.5 (4.4)	14.5 (4.4)
Roll Length[6], ft (m)	Double-Sided Composite		270 (82.3)	260 (79.2)	230 (70.1)
	Single-Sided Composite		300 (91.4)	310 (94.5)	290 (88.4)
Roll Area, ft² (m²)	Double-Sided Composite		3,915 (364)	3,770 (350)	3,335 (310)
	Single-Sided Composite		4,350 (404)	4,495 (418)	4,205 (391)

NOTES:
- [1] AOS in mm is a maximum value.
- [2] Gradient of 0.1, normal load of 10,000 psf, water at 70°F between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [3] Component properties prior to lamination.
- [4] Refer to geotextile product data sheet for additional specifications.
- [6] Roll widths and lengths have a tolerance of ±1%.
- * Modified.

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Appendix G: GSE FabriNet HF Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE[1]		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			2.41 (5 x 10⁻⁴)	2.41 (5 x 10⁻⁴)	1.45 (3 x 10⁻⁴)
Single-Sided Composite			7.24 (1.5 x 10⁻⁴)	7.24 (1.5 x 10⁻⁴)	4.83 (1 x 10⁻⁴)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core[3] - GSE HyperNet HF					
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716		14.49 (3 x 10⁻⁴)	14.49 (3 x 10⁻⁴)	14.49 (3 x 10⁻⁴)
Density, g/cm³	ASTM D 1505	1/50,000 ft²	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	55 (9.6)	55 (9.6)	55 (9.6)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	2.0	2.0	2.0
Geotextile[3,4]					
Mass per Unit Area, oz/yd²(g/m²)	ASTM D 5261	1/90,000 ft²	6 (200)	8 (270)	10 (335)
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	160 (710)	220 (975)	260 (1,155)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	90 (395)	120 (525)	165 (725)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.212)	80 (0.180)	100 (0.150)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.5	1.3	1.0
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	110 (4,480)	95 (3,865)	75 (3,050)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	250 (6.3)	250 (6.3)	250 (6.3)
Roll Width[6], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[6], ft (m)	Double-Sided Composite		230 (70.1)	230 (70.1)	210 (64.0)
	Single-Sided Composite		260 (79.2)	260 (79.2)	250 (76.2)
Roll Area, ft² (m²)	Double-Sided Composite		3,450 (321)	3,450 (321)	3,150 (293)
	Single-Sided Composite		3,900 (362)	3,900 (362)	3,750 (348)

NOTES:
- [1] AOS in mm is a maximum value.
- [2] Gradient of 0.1, normal load of 10,000 psf, water at 70°F between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [3] Component properties prior to lamination.
- [4] Refer to geotextile product data sheet for additional specifications.
- [6] Roll widths and lengths have a tolerance of ±1%.
- * Modified.

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Appendix H: GSE FabriNet HS Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE[1]		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			3.4 (7 x 10⁻⁸)	3.4 (7 x 10⁻⁸)	2.4 (5 x 10⁻⁸)
Single-Sided Composite			9.6 (2 x 10⁻⁸)	9.6 (2 x 10⁻⁸)	7.2 (1.5 x 10⁻⁸)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core[3] - GSE HyperNet HS					
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716		28.98 (6 x 10⁻⁸)	28.98 (6 x 10⁻⁸)	28.98 (6 x 10⁻⁸)
Density, g/cm³	ASTM D 1505	1/50,000 ft²	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	65 (11.5)	65 (11.5)	65 (11.5)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	2.0	2.0	2.0
Geotextile[3,4]					
Mass per Unit Area, oz/yd² (g/m²)	ASTM D 5261	1/90,000 ft²	6 (200)	8 (270)	10 (335)
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	160 (710)	220 (975)	260 (1,155)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	90 (395)	120 (525)	165 (725)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.212)	80 (0.180)	100 (0.150)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.5	1.3	1.0
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	110 (4,480)	95 (3,865)	75 (3,050)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	275 (7)	275 (7)	275 (7)
Roll Width[6], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[6], ft (m)	Double-Sided Composite		212 (64.6)	200 (61.0)	190 (57.9)
	Single-Sided Composite		240 (73.2)	240 (73.2)	230 (70.1)
Roll Area, ft² (m²)	Double-Sided Composite		3,180 (295)	3,000 (279)	2,850 (265)
	Single-Sided Composite		3,600 (334)	3,600 (334)	3,450 (321)

NOTES:
- [1]AOS in mm is a maximum value.
- [2]Gradient of 0.1, normal load of 10,000 psf, water at 70°F between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [3]Component properties prior to lamination.
- [4]Refer to geotextile product data sheet for additional specifications.
- [5]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix I: GSE FabriNet UF Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE[1]		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			4.35 (9 x 10⁻⁸)	4.35 (9 x 10⁻⁸)	3.40 (7 x 10⁻⁸)
Single-Sided Composite			14.5 (3 x 10⁻⁸)	14.5 (3 x 10⁻⁸)	9.6 (2 x 10⁻⁸)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core[3] - GSE HyperNet UF					
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716		38.64 (8 x 10⁻⁸)	38.64 (8 x 10⁻⁸)	38.64 (8 x 10⁻⁸)
Density, g/cm³	ASTM D 1505	1/50,000 ft²	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	75 (13.3)	75 (13.3)	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	2.0	2.0	2.0
Geotextile[3,4]					
Mass per Unit Area, oz/yd² (g/m²)	ASTM D 5261	1/90,000 ft²	6 (200)	8 (270)	10 (335)
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	160 (710)	220 (975)	260 (1,155)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	90 (395)	120 (525)	165 (725)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.212)	80 (0.180)	100 (0.150)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.5	1.3	1.0
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	110 (4,480)	95 (3,865)	75 (3,050)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	300 (7.6)	300 (7.6)	300 (7.6)
Roll Width[6], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[6], ft (m)	Double-Sided Composite		190 (57.9)	170 (51.8)	170 (51.8)
	Single-Sided Composite		220 (67.1)	220 (67.1)	200 (61.0)
Roll Area, ft² (m²)	Double-Sided Composite		2,850 (265)	2,550 (237)	2,550 (237)
	Single-Sided Composite		3,300 (307)	3,300 (307)	3,000 (279)

NOTES:
- [1]AOS in mm is a maximum value.
- [2]Gradient of 0.1, normal load of 10,000 psf, water at 70°F between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [3]Component properties prior to lamination.
- [4]Refer to geotextile product data sheet for additional specifications.
- [5]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix J: GSE FabriNet TRx Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE		
Geocomposite			4 oz/yd²	6 oz/yd²	8 oz/yd²
Transmissivity[a], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			12.1 (2.5 x 10⁻⁶)	12.1 (2.5 x 10⁻⁶)	10.1 (2.2 x 10⁻⁶)
Single-Sided Composite			15.7 (3.2 x 10⁻⁶)	15.7 (3.2 x 10⁻⁶)	13.8 (2.9 x 10⁻⁶)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core - GSE HyperNet TRx					
Transmissivity[b], gal/min/ft (m²/sec)	ASTM D 4716		43.5 (9.0x 10⁻⁶)	43.5 (9.0x 10⁻⁶)	43.5 (9.0x 10⁻⁶)
Density, g/cm³	ASTM D 1505	1/50,000 ft²	>0.94	>0.94	>0.94
Tensile Strength[b], lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	75 (13.3)	75 (13.3)	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	>2.0	>2.0	>2.0
Geotextile (prior to lamination)[4]					
Mass per Unit Area, oz/yd²(g/m²)	ASTM D 5261	1/90,000 ft²	4	6	8
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	120 (530)	160 (710)	220 (975)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	60 (265)	90 (395)	120 (525)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.212)	70 (0.212)	80 (0.180)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.8	1.5	1.3
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	135 (5,495)	110 (4,480)	95 (3,865)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	300 (7.6)	300 (7.6)	300 (7.6)
Roll Width[d], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[d], ft (m)	Double-Sided Composite		140 (42.7)	130 (39.6)	130 (39.6)
	Single-Sided Composite		160 (48.8)	150 (45.7)	150 (45.7)
Roll Area, ft² (m²)	Double-Sided Composite		2,100 (195)	1,950 (175)	1,950 (175)
	Single-Sided Composite		2,400 (223)	2,250 (209)	2,250 (209)

NOTES:
- [a]This is an index transmissivity value measured at stress = 1,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geocomposite/plate. Contact GSE for performance transmissivity value for use in design.
- [b]This is an index transmissivity value measured at stress = 1,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance transmissivity value for use in design.
- [c]Tested in machine direction (MD).
- [d]All properties are minimum average values except AOS (mm) which is a maximum value and UV resistance which is a typical value.
- [e]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix K: GSE PermaNet TRx Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE		
Geocomposite			4 oz/yd²	6 oz/yd²	8 oz/yd²
Transmissivity[a], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			4.8 (1 x10⁻⁶)	4.8 (1 x10⁻⁶)	4.8 (1 x10⁻⁶)
Single-Sided Composite			6.2 (1.3 x 10⁻⁶)	6.2 (1.3 x 10⁻⁶)	6.2 (1.3 x 10⁻⁶)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core - GSE PermaNet TRx					
Transmissivity[b], gal/min/ft (m²/sec)	ASTM D 4716		19.2 (4.0 x 10⁻⁶)	19.2 (4.0 x 10⁻⁶)	19.2 (4.0 x 10⁻⁶)
Creep Reduction Factor	GRI-GC8	once per formulation	1.2 @ 15,000 psf	1.2 @ 15,000 psf	1.2 @ 15,000 psf
Density, g/cm³	ASTM D 1505	1/50,000 ft²	>0.94	>0.94	>0.94
Tensile Strength[b], lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	75 (13.3)	75 (13.3)	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	>2.0	>2.0	>2.0
Geotextile (prior to lamination)[4]					
Mass per Unit Area, oz/yd²(g/m²)	ASTM D 5261	1/90,000 ft²	4	6	8
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	120 (530)	160 (710)	220 (975)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	60 (265)	90 (395)	120 (525)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.212)	70 (0.212)	80 (0.180)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.8	1.5	1.3
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	135 (5,495)	110 (4,480)	95 (3,865)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	300 (7.6)	300 (7.6)	300 (7.6)
Roll Width[d], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[d], ft (m)	Double-Sided Composite		170 (51.9)	160 (48.8)	160 (48.8)
	Single-Sided Composite		190 (57.9)	180 (54.9)	180 (54.9)
Roll Area, ft² (m²)	Double-Sided Composite		2,550 (236)	1,950 (175)	1,950 (175)
	Single-Sided Composite		2,850 (265)	2,700 (251)	2,700 (251)

NOTES:
- [a]This is an index transmissivity value measured at stress = 10,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geocomposite/plate. Contact GSE for performance transmissivity value for use in design.
- [b]This is an index transmissivity value measured at stress = 10,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance transmissivity value for use in design.
- [c]Tested in machine direction (MD).
- [d]All properties are minimum average values except AOS (mm) which is a maximum value and UV resistance which is a typical value.
- [e]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix L: GSE PermaNet HL Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			4.8 (1 x 10⁻⁴)	4.8 (1 x 10⁻⁴)	4.8 (1 x 10⁻⁴)
Single-Sided Composite			6.2 (1.3 x 10⁻⁴)	6.2 (1.3 x 10⁻⁴)	6.2 (1.3 x 10⁻⁴)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core - GSE HyperNet HL					
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716		19 (4x10⁻⁴)	19 (4x10⁻⁴)	19 (4x10⁻⁴)
Compression Strength, lbs/ft² (kPa)	ASTM D 1621	1/540,000 ft²	40,000 (1,913)	40,000 (1,913)	40,000 (1,913)
Creep Reduction Factor	GRI-GC8	once per formulation	1.2 @15,000 psf	1.2 @15,000 psf	1.2 @15,000 psf
Density, g/cm³	ASTM D 1505	1/50,000 ft²	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	100 (17)	100 (17)	100 (17)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	2.0	2.0	2.0
Geotextile (prior to lamination)[3]					
Mass per Unit Area, oz/yd²(g/m²)	ASTM D 5261	1/90,000 ft²	6 (200)	8 (270)	10 (335)
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	160 (710)	220 (975)	260 (1,155)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	90 (395)	120 (525)	165 (725)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.21)	80 (0.180)	100 (0.150)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.5	1.3	1.0
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	110 (4,480)	95 (3,865)	75 (3,050)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	270 (6.9)	270 (6.9)	270 (6.9)
Roll Width[4], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[4], ft (m)	Double-Sided Composite		160 (48.8)	150 (45.7)	140 (42.7)
	Single-Sided Composite		160 (48.8)	150 (45.7)	140 (42.7)
Roll Area, ft² (m²)	Double-Sided Composite		2,400 (223)	2,250 (209)	2,100 (195)
	Single-Sided Composite		2,400 (223)	2,250 (209)	2,100 (195)

NOTES:
- [1]This is an index transmissivity value measured at stress = 15,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geocomposite/plate. Contact GSE for performance transmissivity value for use in design.
- [2]This is an index transmissivity value measured at stress = 15,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance Transmissivity value in design.
- [3]All geotextile properties are minimum average values except AOS (in mm) which is a maximum value (Max ARV); and UV resistance which is a typical value.
- [4]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix M: GSE PermaNet UL Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716	1/540,000 ft²			
Double-Sided Composite			4.8 (1 x 10⁻⁴)	4.8 (1 x 10⁻⁴)	4.8 (1 x 10⁻⁴)
Single-Sided Composite			6.2 (1.3 x 10⁻⁴)	6.2 (1.3 x 10⁻⁴)	6.2 (1.3 x 10⁻⁴)
Ply Adhesion, lb/in (g/cm)	ASTM D 7005	1/50,000 ft²	1.0 (178)	1.0 (178)	1.0 (178)
Geonet Core - GSE HyperNet UL					
Transmissivity[2], gal/min/ft (m²/sec)	ASTM D 4716		24 (5x10⁻⁴)	24 (5x10⁻⁴)	24 (5x10⁻⁴)
Compression Strength, lbs/ft² (kPa)	ASTM D 1621	1/540,000 ft²	40,000 (1,913)	40,000 (1,913)	40,000 (1,913)
Creep Reduction Factor	GRI-GC8	once per formulation	1.3 @25,000 psf	1.3 @25,000 psf	1.3 @25,000 psf
Density, g/cm³	ASTM D 1505	1/50,000 ft²	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft²	100 (17)	100 (17)	100 (17)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft²	2.0	2.0	2.0
Geotextile (prior to lamination)[3]					
Mass per Unit Area, oz/yd²(g/m²)	ASTM D 5261	1/90,000 ft²	6 (200)	8 (270)	10 (335)
Grab Tensile, lb (N)	ASTM D 4632	1/90,000 ft²	160 (710)	220 (975)	260 (1,155)
Puncture Strength, lb (N)	ASTM D 4833	1/90,000 ft²	90 (395)	120 (525)	165 (725)
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft²	70 (0.21)	80 (0.180)	100 (0.150)
Permittivity, (sec⁻¹)	ASTM D 4491	1/540,000 ft²	1.5	1.3	1.0
Flow Rate, gpm/ft² (lpm/m²)	ASTM D 4491	1/540,000 ft²	110 (4,480)	95 (3,865)	75 (3,050)
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft²	300 (7.6)	300 (7.6)	300 (7.6)
Roll Width[4], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[4], ft (m)	Double-Sided Composite		150 (45.7)	140 (42.7)	130 (39.6)
	Single-Sided Composite		150 (45.7)	140 (42.7)	130 (39.6)
Roll Area, ft² (m²)	Double-Sided Composite		2,250 (209)	2,100 (195)	1,950 (175)
	Single-Sided Composite		2,250 (209)	2,100 (195)	1,950 (175)

NOTES:
- [1]This is an index transmissivity value measured at stress = 25,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geocomposite/plate. Contact GSE for performance transmissivity value for use in design.
- [2]This is an index transmissivity value measured at stress = 25,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance transmissivity value for use in design.
- [3]All geotextile properties are minimum average values except AOS (in mm) which is a maximum value and UV resistance which is a typical value.
- [4]Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix N: GSE BioDrain LP Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE[3]	
Geocomposite				
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	0.48 (1.0×10^{-4})	
Ply Adhesion[4], lb/in (g/cm)	ASTM D 7005	1/50,000 ft^2	0.5 (89)	
Geonet Core (Prior to lamination)				
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	9.66 (2.0×10^{-3})	
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	> 0.94	
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	45 (7.9)	
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	> 2.0	
Geotextile (Prior to lamination)			Nonwoven	LP Woven
Mass per Unit Area	ASTM D 5261	1/90,000 ft^2	6	N/A
Grab Tensile, lb	ASTM D 4632	1/90,000 ft^2	160	230 x 150
Puncture Strength, lb	ASTM D 4833	1/90,000 ft^2	90	100
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft^2	70 (0.212)	70 (0.212)
Permittivity, (sec^{-1})	ASTM D 4491	1/540,000 ft^2	1.5	0.1
Flow Rate, gpm/ft^2	ASTM D 4491	1/540,000 ft^2	110	8
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70
NOMINAL ROLL DIMENSIONS				
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	200 (5)	
Roll Width[2], ft			14.5 (4.4)	
Roll Length[2], ft			230 (70)	
Roll Area, ft^2 (m^2)			3,335 (310)	

NOTES:

- [1]This is an index transmissivity value measured at stress = 10,000 psf, gradient = 0.1; between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [2]Roll widths and lengths have a tolerance of ±1%.
- [3]All properties are minimum average values except AOS (mm) which is a maximum value and UV resistance which is a typical value.
- [4]Tested and reported on nonwoven/geonet side only.
- *Modified.

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Appendix O: GSE BioDrain HP Geocomposite Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE[3]	
Geocomposite				
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	0.48 (1.0×10^{-4})	
Ply Adhesion[4], lb/in (g/cm)	ASTM D 7005	1/50,000 ft^2	0.5 (89)	
Geonet Core (Prior to lamination)				
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	9.66 (2.0×10^{-3})	
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	> 0.94	
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	45 (7.9)	
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	> 2.0	
Geotextile (Prior to lamination)			Nonwoven	HP Woven
Mass per Unit Area	ASTM D 5261	1/90,000 ft^2	6	N/A
Grab Tensile, lb	ASTM D 4632	1/90,000 ft^2	160	230 x 150
Puncture Strength, lb	ASTM D 4833	1/90,000 ft^2	90	100
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft^2	70 (0.212)	30 (0.542)
Permittivity, (sec^{-1})	ASTM D 4491	1/540,000 ft^2	1.5	0.5
Flow Rate, gpm/ft^2	ASTM D 4491	1/540,000 ft^2	110	36
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	once per formulation	70	70
NOMINAL ROLL DIMENSIONS				
Geonet Core Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	200 (5)	
Roll Width[2], ft			14.5 (4.4)	
Roll Length[2], ft			230 (70)	
Roll Area, ft^2 (m^2)			3,335 (310)	

NOTES:

- [1]This is an index transmissivity value measured at stress = 10,000 psf, gradient = 0.1; between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [2]Roll widths and lengths have a tolerance of ±1%.
- [3]All properties are minimum average values except AOS (mm) which is a maximum value and UV resistance which is a typical value.
- [4]Tested and reported on nonwoven/geonet side only.
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HOUSTON • HAMBURG • BANGKOK • SANTIAGO • CAIRO

Geonets & Geocomposites

GSE HyperNet • GSE HyperNet HF • GSE HyperNet HS • GSE HyperNet UF • GSE FabriNet
GSE FabriNet HF • GSE FabriNet HS • GSE FabriNet UF • GSE PermaNet HL • GSE PermaNet UL

Installation Quality Assurance Manual

www.gseworld.com

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I. ROLL PACKAGING AND LABELS

A. GSE geocomposite rolls shall be shipped from the factory in opaque protective covering to prevent damage and UV degradation. GSE geonets do not need to be further protected from UV degradation during shipping or storage.

B. Each roll of GSE geonet and geocomposite are labeled with the following information:

- Name of Manufacturer
- Product Code
- Product Description
- Roll Number
- Roll Dimensions

II. MATERIAL DELIVERY

A. Upon arrival on site, QA personnel will do an inventory of materials on-site.

B. Roll numbers of the geonet or geocomposite will be logged on the Inventory Check List (see Appendix A) and cross-referenced with the bills of lading.

C. Copies of the Inventory Checklist and signed Bill of Ladings should be sent to the home office with on-site QA personnel retaining the originals.

D. Any visible damage to roll materials should be noted on the roll and Inventory Check list.

III. UNLOADING AND STORAGE PROCEDURES

A. Rolls of material shall be unloaded with equipment that will not damage the geonet or geocomposite.

B. Fabric-straps, spreader bars, stinger bars, or other approved equipment shall be used for handling rolls of geonet and geocomposite.

C. Materials should be stored in a flat, dry and well drained area.

D. The surface shall be free of sharp rocks or other objects that could damage the materials.

E. The storage area must be as close as possible to the work area to minimize site handling.

IV. SUBGRADE PREPARATION

The subgrade shall be free of sharp rocks or materials that could otherwise cause damage to the material.

V DEPLOYMENT

Geonet and geocomposite shall be handled in such a manner as to ensure that it is not damaged in any way.

A. On slopes, the material shall be anchored in the anchor trench and then rolled down the slope in such a manner as to continually keep the material under tension.

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B. In the presence of wind, the leading edge of the material shall be weighted with sandbags or ballasts until the final cover is placed.

C. Care shall be taken to assure that any underlying layers are not damaged during placement. Low ground pressure machines such as ATV's to facilitate deployment over the geosynthetic layers is recommended. Low ground pressure machines are machines with a ground pressure less than 7 psi when carrying a driver weighing approximately 150 lbs.

D. Care shall be taken to avoid entrapment of stones, mud and other materials during placement and seaming operations.

VI. OVERLAPS AND SEAMS

A. The recommended geonet overlap in the machine direction is 3-inches to 5-inches. The recommended overlap is 6-inches to 12-inches in the transverse direction.

B. On slopes the ends of the materials shall be shingled down in the direction of the slope.

C. A plastic cable tie should be placed once per every five linear feet in the machine direction and once per every linear foot in the transverse direction.

D. If the product is a geocomposite, the geotextile on the bottom shall be overlapped and the geotextile on top shall be overlapped, sewn or heat-bonded. The exact seaming method or overlap must be specified in project construction documents.

VII. COVER SOIL PLACEMENT

A. Prior to placement of cover soil, a Certificate of Acceptance (see Appendix C) must be signed by responsible party and an installer's representative.

B. Any cover material, such as soil, that is placed over the drainage material shall be placed in such a manner as to assure that it is not damaged.

C. Care shall be taken to minimize any slippage of the geonet or geocomposite and to assure that no tensile stress is induced in the material.

D. Cover soils deployed over the geonet or geocomposite should be free of all sharp objects, such as sharp rocks and sticks.

E. Wide track equipment should be used to distribute cover soil over the geocomposite.

F. A minimum of 12-inches of cover soil is required to separate the equipment from the geocomposite to prevent damage.

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Appendix A - GSE Inventory Check List

Date: _____ Site Manager: _____ Page: ____ of ____

Project: _____ QA Technician: _____

Project #: _____

Row #	Material	Roll#	Used	Material	Roll#	Used	Material	Roll#	Used
A									
B									
C									
D									
E									
F									
G									
H									
I									
J									
K									
L									
M									
N									
O									
P									
Q									
R									
S									
T									
U									
V									
W									
X									
Y									
Z									
AA									
BB									
CC									
DD									
EE									
FF									
GG									
HH									
II									

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Appendix B - GSE Panel Placement Log

Project Name: _____ Site Manager: _____
Location: _____ Product Code: _____
Job Number: _____
Q.A. Tech: _____

Panel Number	Roll Number	Deployment Date	Width (Feet)	Length Feet	Square Feet Smooth	Square Feet Textured

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Appendix C - Certificate of Acceptence

GSE Lining Technology, Inc.
19103 Gundle Road
Houston Texas 77073
800-435-2008
281-443-8564
281-875-6010 Fax

Job No.: _____
Project: _____
Client: _____
Bill To: _____

Job Description: _____
% Complete of Total Job: _____

Certificate of Acceptence

Material	Estimated Square Feet	Final Quantity/Description

I, the undersigned, duly representative of:
Do hereby take over and accept the work described above from the date hereof and confirm to the best of my knowledge the work has been completed in accordance with specifications and the terms and conditions of the contract.

Name	Signature	Title	Date

Certificate accepted by GSE Lining Technology, Inc. Representative.

Name	Signature	Title	Date

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B. *Geonet Products*

Geonet drainage products are produced with biplanar geometry. Please see GSE geonet data sheets for test methods, frequencies and specifications in Appendixes B-E.

1. Sampling

   A one foot by roll width sample is cut for quality assurance testing from every tenth roll produced. An archive sample is cut from each tested roll. This sample is taken from a random location then labeled and stored for future reference. Test frequencies and the number of test specimen per sample are established based on statistical analysis of the available data and complexity of the test procedures.

2. Evaluation of Results

   All data are entered into a computer database for calculation and comparison to established order specifications. If materials do not meet the required GSE's standards and/or the customer's specifications, the manufacturing personnel will appropriately make the adjustments. Only products meeting GSE's standards and/or customer's specifications will be approved for shipment.

3. Reporting

   A quality assurance certificate is issued for every roll of finished product. This report identifies the standards on which the GSE approval is based along with the actual test results demonstrated by the material.

C. *Geocomposite Products*

Geocomposite products are produced by heat bonding a geotextile to one or both sides of a geonet product. Sampling evaluation of results and reporting practices are the same as for geonet products with the exception of testing for composite products. Please see GSE geocomposite data sheets for test methods, frequencies and specifications in Appendixes F-O.

D. *Third Party Conformance Sampling*

Some specifications require independent quality assurance and/or conformance testing. GSE can provide assistance with the sampling of products by arranging for the conformance samples to be taken during production. By taking samples during production rather than on site or after production, the customer can be assured that the samples are clean and available for conformance testing in a timely manner.

GSE encourages customers to audit its manufacturing operations, to collect samples and conduct independent conformance testing prior to shipment of materials.

E. *Product Shipping*

It is GSE's policy to ship only products that have been tested and approved. All shipments are packaged according to industry's standard practices and/or customer's specifications. Only approved handling methods are used to move rolls into and out of shipping containers, please see the GSE Installation Quality Assurance Manual for more details.

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Appendix A: Minimum Testing Frequencies for GSE Raw Materials

Property	Test Method	Natural Resin
Density	ASTM D 1505	once per resin lot
Melt Flow Index	ASTM D 1238 (190/2.16)	once per resin lot
Carbon Black Content	ASTM D 1603*/4218	N/A
Carbon Black Dispersion	ASTM D 5596	NA

NOTES:

- GSE utilizes test equipment and procedures that enable effective and economical confirmation that the product will conform to specifications based on the noted procedures. Some test procedures have been modified for application to geosynthetics. All procedures and values are subject to change without prior notification.
- Refer to GSE's ISO 9000 quality manual for raw material requirements for individual products.
- *Modified.

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Appendix B: GSE HyperNet Geonet Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE			
			HyperNet	HyperNet HF	HyperNet HS	HyperNet UF
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	9.66 (2 x 10^{-4})	14.49 (3 x 10^{-4})	28.98 (6 x 10^{-4})	38.64 (8 x 10^{-4})
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	0.94	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	45 (7.9)	55 (9.6)	65 (11.5)	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	2.0	2.0	2.0	2.0
NOMINAL ROLL DIMENSIONS						
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	200 (5)	250 (6.3)	275 (7)	300 (7.6)
Roll Width[2], ft (m)			15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)
Roll Length[2], ft (m)			330 (100)	290 (88)	270 (82)	250 (76)
Roll Area, ft^2 (m^2)			4,950 (460)	4,350 (404)	4,050 (376)	3,750 (348)

NOTES:
- [1] Gradient of 0.1, normal load of 10,000 psf, water at 70° F (20° C), between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- [2] Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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Appendix C: GSE PermaNet HL and UL Geonet Data Sheet

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE	
			PermaNet HL (High Load)	PermanNet UL (Ultra Load)
Transmissivity[1], gal/min/ft (m^2/sec)	ASTM D 4716	1/540,000 ft^2	19 (4 x 10^{-4})[2]	24 (5 x 10^{-4})[3]
Compression Strength, lb/ft^2 (kPa)	ASTM D 1621	1/540,000 ft^2	40,000 (1,913)	40,000 (1,913)
Creep Reduction Factor	GRI GC8	1/formulation	1.2 @ 15,000 psf	1.3 @ 25,000 psf
Density, g/cm^3	ASTM D 1505	1/50,000 ft^2	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft^2	100 (17)	100 (17)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft^2	2.0	2.0
NOMINAL ROLL DIMENSIONS				
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft^2	270 (6.9)	300 (7.6)
Roll Width[4], ft (m)			15 (4.6)	15 (4.6)
Roll Length[4], ft (m)			200 (60)	200 (60)
Roll Area, ft^2 (m^2)			3,000 (278)	3,000 (278)

NOTES:
- [1] This is an index transmissivity value used for quality control under test conditions listed under notes (2) and (3). Contact GSE for a performance transmissivity value for use in design.
- [2] Stress = 15,000 psf; gradient = 0.1; time = 15 minutes; and boundary conditions = plate/geonet/plate.
- [3] Stress = 25,000 psf; gradient = 0.1; time = 15 minutes; and boundary conditions = plate/geonet/plate.
- [4] Roll widths and lengths have a tolerance of ±1%.
- *Modified.

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South America	GSE Lining Technology Chile S.A.	Santiago, Chile		56 2 595 4200	Fax: 56 2 595 4290
Asia Pacific	GSE Lining Technology Company Limited	Bangkok, Thailand		66 2 937 0091	Fax: 66 2 937 0097
Europe & Africa	GSE Lining Technology GmbH	Hamburg, Germany		49 40 767420	Fax: 49 40 7674234
Middle East	GSE Lining Technology-Egypt	The 6th of October City, Egypt		202 2 828 8888	Fax: 202 2 828 8889

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GSE Installation Project List - Landfills & Caps

Project Name:	Waste Management/Cedar Ridge Landfill Cell 5		
Site Location:	Lewisburg, TN	**GSE No.:**	**519388**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	John Workman		770 805-3363
General Contractor:	WMI Cedar Ridge Landfill		
GC Contact:	Keith May		931 359-9032
Engineering Firm:	Triad Environmental Consultants, Ltd.		
Engineer Contact:	Nancy Sullivan		615 889-6888
Products:	GSE HD Textured 60 mil	526,500	sq. ft.
	GSE FabriNet DS HF 6 oz	524,900	sq. ft.
	Bentofix NWL	524,116	sq. ft.
Amount:	$845,013		
Date completed:	7/9/2006		

Project Name:	Waste Management/Pheasant RUN RDF Phase 3A		
Site Location:	Briston, WI	**GSE No.:**	**519471**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Luci Altieri		630 218-1821
General Contractor:	WMI Pheasant Run RDF		
GC Contact:	Casey Furlong		262 857-7956
Engineering Firm:	CQM, Inc.		
Engineer Contact:	Pete Rammer		920 465-3911
Products:	GSE HD Textured 60 mil	795,600	sq. ft.
	GSE FabriNet DS 6 oz	163,415	sq. ft.
	GSE Geotextile 12 oz	91,000	sq. ft.
Amount:	$621,746		
Date completed:	10/15/2006		

Project Name:	Waste Management/Phoenix Resources Lnadfill 2006 Cap		
Site Location:	Wellsboro, PA	**GSE No.:**	**518568**
Application:	Sanitary LF Cap		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith		215 269-2143
General Contractor:	WMI Phoenix Resources Landfill		
GC Contact:	RonWilson		570 353-2406
Engineering Firm:	Blazosky Associates, Inc.		
Engineer Contact:	Karen Finlan		814 238-2060
Products:	GSE HD Textured 40 mil	740,250	sq. ft.
	GSE FabriNet HS DS 6 oz	720,900	sq. ft.
	GSE Geotextile 6 oz	2,000	sq. ft.
Amount:	$685,287		
Date completed:	8/11/2006		

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Project Name:	Onyx/Orchard Hills Landfill Phase IV Cell Composite Cover		
Site Location:	Davis Junction, IL	**GSE No.:**	**519872**
Application:	Sanitary LF Cap		
Owner:	**Onyx Waste Services, Inc.**		
Owner Contact:	Randy Frank	262 971-1391	
General Contractor:	Onyx Waste Services, Inc.		
GC Contact:	Randy Frank	262 971-1391	
Engineering Firm:	CQM, Inc.		
Engineer Contact:	Pat Drossaart	920 465-3911	
Products:	GSE UltraFlex Textured 40 mil	1,370,250	sq. ft.
	GSE FabriNet 6 oz	1,023,265	sq. ft.
Amount:	$899,809		
Date completed:	9/10/2006		

Project Name:	Allied/Sauk Trail Hills Landfill Cell K		
Site Location:	Canton, MI	**GSE No.:**	**519723**
Application:	Sanitary LF		
Owner:	**Allied Waste Industries**		
Owner Contact:	Christina Pearse-Bossick	734 397-4323	
General Contractor:	Allied Waste Industries		
GC Contact:	Christina Pearse-Bossick	734 397-4323	
Engineering Firm:	Midwestern Consulting, LLC.		
Engineer Contact:	Chris Sullivan	734 995-0200	
Products:	GSE HD Textured 60 mil	854,100	sq. ft.
	Bentofix NSL	809,284	sq. ft.
	GSE FabriNet DS 8 oz	513,300	sq. ft.
	GSE HyperNet 200 mil Geonet	261,000	sq. ft.
	GSE Geotextile 8 oz	30,000	sq. ft.
Amount:	$860,580		
Date completed:	7/24/2006		

Project Name:	Allied/Roosevelt Regional Landfill Ash Stage 1		
Site Location:	Roosevelt, WA	**GSE No.:**	**519255**
Application:	Sanitary LF		
Owner:	**Allied RABANCO Regional Disposal Company**		
Owner Contact:	Bill Borlaug	800 375-5641	
General Contractor:	Allied RABANCO Regional Disposal Company		
GC Contact:	Art Mains	800 375-5641	
Engineering Firm:	Thiel Engineering		
Engineer Contact:	Richard Thiel	530 692-9114	
Products:	GSE HD 80 mil	976,793	sq. ft.
	GSE Geotextile 4 oz	132,000	sq. ft.
	GSE Geotextile 14 oz	116,895	sq. ft.
	GSE HyperNet 200 mil Geonet	31,725	sq. ft.
Amount:	$735,085		
Date completed:	5/6/2006		

Project Name:	Waste Management/Menominee Phase III Landfill Cell 9		
Site Location:	Menominee, MI	**GSE No.:**	**518901**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Steve Lackner	630 572-8800	
General Contractor:	WMI Menominee Landfill		
GC Contact:	Bob Pliska	906 228-4000	
Engineering Firm:	CQM, Inc.		
Engineer Contact:		920 465-3911	

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Products:	GSE HD 60 mil	705,600	sq. ft.
	Bentofix NSL	708,143	sq. ft.
	GSE HyperNet	355,500	sq. ft.
	GSE Geotextile 8 oz	39,000	sq. ft.
	GSE Geotextile 12 oz	39,000	sq. ft.
Amount:	$937,396		
Date completed:	6/26/2006		

Project Name:	Waste Management/K&W Sanitary Landfill Phase II Cell 3		
Site Location:	Ontonagon, MI	**GSE No.:**	**519375**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Steve Lackner	630 572-8800	
General Contractor:	WMI K&W Sanitary Landfill		
GC Contact:	Robert Pliska	906 228-4000	
Engineering Firm:	Wenck Associates, Inc.		
Engineer Contact:	Dave Parenteau	763 479-4243	
Products:	GSE HD 60 mil	635,670	sq. ft.
	GSE HyperNet 200 mil Geonet	608,385	sq. ft.
	Bentofix NSL	595,864	sq. ft.
	GSE Geotextile 8 oz	70,032	sq. ft.
Amount:	$864,883		
Date completed:	8/18/2006		

Project Name:	Waste Management/McGill Road Landfill Phase V Cell 1A		
Site Location:	Jackson, MI	**GSE No.:**	**519555**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Steve Lackner	630 218-1821	
General Contractor:	WMI McGill Road LF		
GC Contact:	Paul Mazanec	734 326-8230	
Engineering Firm:	McNeely & Lincoln Associates, Inc.		
Engineer Contact:	Allen Visel	734 432-9777	
Products:	GSE HD 60 mil	340,200	sq. ft.
	GSE HD Textured 60 mil	289,100	sq. ft.
	Bentofix NWL	570,733	sq. ft.
	GSE HyperNet 200 mil Geonet	346,500	sq. ft.
	GSE FabriNet DS 8 oz	246,500	sq. ft.
	GSE Geotextile 8 oz	43,000	sq. ft.
	GSE Geotextile 10 oz	1,000	sq. ft.
Amount:	$870,702		
Date completed:	7/3/2006		

Project Name:	Waste Management/Waters Landfill Cell D South		
Site Location:	Frederic, MI	**GSE No.:**	**519560**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Steve Lackner	630 218-1821	
General Contractor:	WMI Waters LF		
GC Contact:	Debora Johnston	989 539-6111	
Engineering Firm:	Midwestern Consulting, LLC.		
Engineer Contact:	J. Chris Sullivan	734 995-0200	
Products:	GSE HD Textured 60 mil	702,000	sq. ft.
	Bentofix NSL	629,482	sq. ft.
	GSE FabriNet DS 6 oz	498,699	sq. ft.
	GSE HyperNet 200 mil Geonet	166,500	sq. ft.
	GSE Geotextile 10 oz	19,500	sq. ft.
Amount:	$995,929		

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GSE

Date completed:	6/12/2006		

Project Name:	Waste Management/Lancaster Landfill and Recycling Center Phase 1B		
Site Location:	Lancaster, CA	**GSE No.:**	**519547**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Rick Von Pein	510 613-0254	
General Contractor:	WMI Lancaster Landfill and Recycling Center		
GC Contact:	Bo McCoy	714 685-6485	
Engineering Firm:	Bryan Stirrat & Associates		
Engineer Contact:	Janet Paul	909 860-7777	
Products:	GSE HD Textured 60 mil	409,500	sq. ft.
	GSE HD Textured Single-Sided 60 mil	113,400	sq. ft.
	Bentofix NWL	492,995	sq. ft.
	GSE Geotextile 8 oz	46,000	sq. ft.
	GSE Geotextile 12 oz	45,500	sq. ft.
	GSE Geotextile 16 oz	10,000	sq. ft.
Amount:	$769,071		
Date completed:	9/5/2006		

Project Name:	Waste Management/Holyoke Landfill Stage 2		
Site Location:	Granby, MA	**GSE No.:**	**516696**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI Holyoke Landfill		
GC Contact:	Bob Magnusson	413 539-9036	
Engineering Firm:	Golder Associates		
Engineer Contact:	Richard Wesenberg	603 668-0880	
Products:	GSE HD Textured 60 mil	924,300	sq. ft.
	GSE FabriNet HF 8 oz	506,920	sq. ft.
	Bentofix NWL	441,056	sq. ft.
Amount:	$750,861		
Date completed:	2/3/2006		

Project Name:	Waste Management/Maplewood Landfill Cell 16B		
Site Location:	Jetersville, VA	**GSE No.:**	**519528**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	MWI Maplewood LF (Amelia)		
GC Contact:	Mike Thomas	804 240-1710	
Engineering Firm:	Terra Engineering		
Engineer Contact:	Andrew Miller	608 221-3501	
Products:	GE HD 60 mil	743,400	sq. ft.
	Bentofix NSE	260,400	sq. ft.
	GSE HyperNet 200 mil Geonet	256,500	sq. ft.
	GSE FabriNet 10 oz	10,440	sq. ft.
	GSE Geotextile 10 oz	3,537	sq. ft.
Amount:	$608,361		
Date completed:	5/24/2006		

Project Name:	Allied/C & C Landfill Cell VA-2 and VB		
Site Location:	Marshall, MI	**GSE No.:**	**519714**

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GSE

Application:	Sanitary LF		
Owner:	**Allied Waste Industries**		
Owner Contact:	Debbie Nurmi	616 837-7316	
General Contractor:	Allied Waste Industries		
GC Contact:	Debbie Nurmi	616 837-7316	
Engineering Firm:	STS Consultants, Ltd.		
Engineer Contact:	Chris Jaquet	616 940-3077	
Products:	GSE HD Textured 60 mil	1,052,550	sq. ft.
	GSE Bentofix NSL	1,035,670	sq. ft.
	GSE FabriNet HF DS 6 oz	516,200	sq. ft.
Amount:	$948,420		
Date completed:	10/18/2006		

Project Name:	Allied/Forward and Austin Road Landfill Cell FU-06		
Site Location:	Manteca, CA	**GSE No.:**	**519757**
Application:	Sanitary LF		
Owner:	**Allied Waste Industries**		
Owner Contact:	Lochlin Caffey	925 458-9800	
General Contractor:	Allied Waste Industries		
GC Contact:	Lochlin Caffey	925 458-9800	
Engineering Firm:	Lewis Engineering		
Engineer Contact:	Sangeeta Lewis	510 601-7223	
Products:	GSE HD Textured 60 mil	491,400	sq. ft.
	GSE HD 60 mil	425,250	sq. ft.
	Bentofix NWL	476,625	sq. ft.
	GSE FabriNet HF 8 oz	411,510	sq. ft.
	GSE Geotextile 8 oz	191,000	sq. ft.
	GSE Geotextile 12 oz	52,000	sq. ft.
Amount:	$988,115		
Date completed:	10/18/2006		

Project Name:	Waste Mgt/Fitchburg Landfill Section 3 Phase 2 Expansion		
Site Location:	Westminster, MA	**GSE No.:**	**519518**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI RCI Fitchburg Landfill		
GC Contact:	Bob Magnusson	603 929-5435	
Engineering Firm:	Brown & Caldwell		
Engineer Contact:	Bob Forgette	508 923-0879	
Products:	GSE HD Textured 60 mil	573,300	sq. ft.
	Bentofix NWL	503,226	sq. ft.
	GSE FabriNet DS 8 oz	407,740	sq. ft.
	HSE HD 40 mil	19,575	sq. ft.
Amount:	$848,142		
Date completed:	11/20/2006		

Project Name:	Waste Mgt/Bethel Landfill Phase 3 Cell 1C		
Site Location:	Hampton, VA	**GSE No.:**	**519530**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI Bethel LF		
GC Contact:	Jim Loveland	804 834-8300	
Engineering Firm:	Earth Tech		
Engineer Contact:	Bryan Schwartzott	215 244-7100	
Products:	GSE HD Textured 60 mil	760,500	sq. ft.

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	GSE HD Textured 40 mil	693,000	sq. ft.
	GSE FabriNet DS 6 oz	760,380	sq. ft.
	GE Geotextile 10 oz	2,500	sq. ft.
Amount:	$957,382		
Date completed:	11/13/2006		

Project Name:	NEWS Mostoller Landfill Cell 4A		
Site Location:	Somerset, PA	**GSE No.:**	**514596**
Application:	Sanitary LF		
Owner:	**North East Waste Services Company**		
Owner Contact:	Rob Sochovka	717 423-5917	
General Contractor:	NEWS Mostoller Landfill, Inc.		
GC Contact:	Rob Sochovka	814 444-0112	
Engineering Firm:	CQA Services		
Engineer Contact:	John Hanak	717 245-9100	
Products:	GSE HD Textured 60 mil	888,300	sq. ft.
	BentoFix NSL	394,298	sq. ft.
	GSE FabriNet 10 oz	292,320	sq. ft.
	GSE FabriNet DS 10 oz	93,960	sq. ft.
	GSE HyperNet 200 mil GeoNet	288,000	sq. ft.
	GSE Geotextile 16 oz	55,500	sq. ft.
Amount:	$829,073		
Date completed:	6/17/2006		

Project Name:	Chestnut Valley Landfill (CBF) Area 4B		
Site Location:	McClellandtown, PA	**GSE No.:**	**520259**
Application:	Sanitary LF		
Owner:	**Veolia Environmental Services**		
Owner Contact:	Bill Binnie	814 265-1744	
General Contractor:	Veolia Environmental Services		
GC Contact:	Bill Binnia	814 265-1744	
Engineering Firm:	Blazosky Associates		
Engineer Contact:	Jim Echard	814 238-2060	
Products:	GSE HD Textured 100 mil	497,475	sq. ft.
	GSE FabriNet DS 10 oz	247,950	sq. ft.
	BentoFix NWL	247,888	sq. ft.
	GSE Geotextile 10 oz	28,500	sq. ft.
Amount:	$625,108		
Date completed:	11/13/2006		

Project Name:	NEWS/Moretown Landfill Cell 3A		
Site Location:	Waterbury, VT	**GSE No.:**	**514599**
Application:	Sanitary LF		
Owner:	**North East Waste Services**		
Owner Contact:	Rob Sochovka	717 729-5227	
General Contractor:	WSI/Moretown Landfill, Inc.		
GC Contact:	Rob Sochovka	717 729-5227	
Engineering Firm:	Tighe & Bond, Inc.		
Engineer Contact:	Doris Alkinson	413 572-3238	
Products:	GSE HD Textured 60 mil	877,500	sq. ft.
	GSE HD Textured 40 mil	63,000	sq. ft.
	GSE FabriNet 8 oz	174,000	sq. ft.
	GSE Geotextile 4 oz	3,000	sq. ft.
Amount:	$987,221		
Date completed:	6/18/2005		

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Project Name:	Waste Management/Liberty Landfill Cell		
Site Location:	Monticello, IN	**GSE No.:**	**514695**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Luci Altieri	630 281-1821	
General Contractor:	WMI Liberty Landfill		
GC Contact:	Barry Ledbetter	574 278-7138	
Products:	GSE HD 60 mil	466,200	sq. ft.
	GSE HD Textured 60 mil	35,100	sq. ft.
	GSE FabriNet HF 10 oz	527,220	sq. ft.
	GSE Geotextile 6 oz	59,000	sq. ft.
	GSE Geotextile 16 oz	57,158	sq. ft.
Amount:	$702,275		
Date completed:	8/5/2005		

Project Name:	Waste Management/DSI Landfill Cell 4 Stage 1		
Site Location:	Hurricane, WV	**GSE No.:**	**514740**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	John Workman	770 805-3363	
General Contractor:	WMI Disposal Services, Inc.		
GC Contact:	Jon Webster	304 562-3262	
Engineering Firm:	Alliance Consulting, Inc.		
Engineer Contact:	Engineer	304 255-0491	
Products:	GSE FabriNet 6 oz	1,055,528	sq. ft.
	GSE HD Textured 60 mil	439,425	sq. ft.
	Bentofix NS	395,250	sq. ft.
Amount:	$963,025		
Date completed:	7/22/2005		

Project Name:	Waste Management/TLR-III (Turnkey) Landfill Phase 8B		
Site Location:	Rochester, NH	**GSE No.:**	**514752**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2219	
General Contractor:	WMI OF NH - TREE (Turnkey) LF		
GC Contact:	Anne Reichert	603 330-2140	
Engineering Firm:	Sanborn Head & Associates, Inc.		
Engineer Contact:	James Chabot	603 229-1900	
Products:	GSE HD Textured 60 mil	795,600	sq. ft.
	Bentofix NS	86,025	sq. ft.
	GSE FabriNet 6 oz	753,710	sq. ft.
	GSE Geotextile 10 oz	500	sq. ft.
Amount:	$772,350		
Date completed:	7/22/2005		

Project Name:	Waste Management/ Maplewood Landfill Cell 6A		
Site Location:	Jetersville, VA	**GSE No.:**	**516022**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI Maplewood Landfill		
GC Contact:	Mike Thomas	804 561-5787	
Engineering Firm:	Terra Engineering		
Engineer Contact:	Andrew Miller	608 221-3501	
Products:	GSE HD 60 mil	768,600	sq. ft.
Amount:	$681,996		

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Date completed:	5/27/2005

Project Name:	Waste Management/ Columbia Ridge Landfill Module 11		
Site Location:	Arlington, OR	**GSE No.:**	**516629**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Rick Von Pein	510 613-0254	
General Contractor:	WMI Columbia Ridge Landfill		
GC Contact:	Roger North	503 242-9493	
Engineering Firm:	Thiel Engineering		
Engineer Contact:	Richard Thiel	530 692-9114	
Products:	GSE HD Textured 60 mil	865,800	sq. ft.
	GSE HD Textured 40 mil Single-Sided	13,095	sq. ft.
	GSE HD 40 mil	39,150	sq. ft.
	GSE Conductive 80 mil	76,725	sq. ft.
	GSE FabriNet 4 oz	48,720	sq. ft.
	GSE FabriNet HF 8 oz	2,755	sq. ft.
	GSE Geotextiles	180,135	sq. ft.
Amount:	$873,150		
Date completed:	7/29/2005		

Project Name:	Waste Mgt/Riverbend Landfill Module 8B and Phase 2 Overliner		
Site Location:	McMinnville, OR	**GSE No.:**	**516632**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Rick Von Pein	510 613-0254	
General Contractor:	WMI Riverbend Landfill		
GC Contact:	Roger North	503 242-9493	
Engineering Firm:	Shaw Group Emcon/OWT		
Engineer Contact:	Weston Gavett	503 603-1000	
Products:	GSE HD Textured 60 mil	702,000	sq. ft.
	GSE FabriNet HF 6 oz	162,400	sq. ft.
	GSE HyperNet HF	67,320	sq. ft.
	GSE Geotextile 8 oz	50,083	sq. ft.
	GSE Geotextile 16 oz	60,458	sq. ft.
Amount:	$626,190		
Date completed:	8/30/2005		

Project Name:	Waste Mgt/Fitchburg Landfill Section 3 Phase 1 Stage 2		
Site Location:	Westminster, MA	**GSE No.:**	**516695**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI RCI Fitchburg Landfill		
GC Contact:	Bob Magnusson	603 929-5435	
Engineering Firm:	Brown & Caldwell, Inc.		
Engineer Contact:	Bob Forgette	508 923-0879	
Products:	GSE HD Textured 60 mil	690,300	sq. ft.
	Bentofix NWL35	342,617	sq. ft.
	GSE FabriNet HF 8 oz	162,545	sq. ft.
	GSE HyperNet	13,200	sq. ft.
	GSE Geotextile 8 oz	1,000	sq. ft.
	GSE Geotextile 24 oz	43,560	sq. ft.
Amount:	$766,504		
Date completed:	9/9/2005		

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Project Name:	Waste Management/Arden Landfill Cell 1C4		
Site Location:	Washington, PA	**GSE No.:**	**516705**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI Arden Landfill		
GC Contact:	Rick Smitsky	412 893-4962	
Engineering Firm:	Civil Design Solutions		
Engineer Contact:	David Murray	412 299-2700	
Products:	GSE HD Textured 60 mil	737,100	sq. ft.
	Bentofix NSL	365,025	sq. ft.
	GSE HyperNet	220,500	sq. ft.
	GSE FabriNet 8 oz	318,798	sq. ft.
	GSE FabriNet 10 oz Single-Sided	297,540	sq. ft.
	GSE Geotextile 10 oz	16,500	sq. ft.
Amount:	$919,050		
Date completed:	8/2/2005		

Project Name:	Waste Management/Laurel Highlands Landfill Cell 5A		
Site Location:	Johnstown, PA	**GSE No.:**	**516706**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI Laurel Highlands Landfill		
GC Contact:	Brian Stewart	814 749-9065	
Engineering Firm:	Civil & Environmental Consultants		
Engineer Contact:	Engineer	724 327-5200	
Products:	GSE HD Textured 60 mil	631,600	sq. ft.
	Bentofix NSL	288,300	sq. ft.
	GSE HyperNet	576,000	sq. ft.
	GSE Geotextile 10 oz	66,413	sq. ft.
Amount:	$698,636		
Date completed:	10/31/2005		

Project Name:	Waste Management/Shade Landfill Cell 2A Northern Expansion		
Site Location:	Cairnbrook, PA	**GSE No.:**	**516708**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI RCC (Shade) Landfill		
GC Contact:	Brian Stewart	814 754-4587	
Engineering Firm:	Blazosky Associates, Inc.		
Engineer Contact:	Engineer	724 733-2060	
Products:	GSE HD 60 mil	1,146,600	sq. ft.
	GSE HyperNet	710,850	sq. ft.
	GSE HD Textured 60 mil	81,900	sq. ft.
	GSE FabriNet 6oz	80,040	sq. ft.
	GSE Geotextile 10 oz	79,000	sq. ft.
Amount:	$954,550		
Date completed:	10/24/2005		

Project Name:	Waste Management/ Southern Alleghenies Landfill Phase III Cell 2B/2C		
Site Location:	Davidsville, PA	**GSE No.:**	**516709**
Application:	Sanitary LF		
Owner:	**Waste Management**		

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Owner Contact:	Tony Eith	215 269-2143	
General Contractor:	WMI Southern Alleghenies Landfill		
GC Contact:	Brian Stewart	814 479-2537	
Engineering Firm:	Civil Design Solutions		
Engineer Contact:	Engineer	412 299-2700	
Products:	GSE HD Textured 60 mil	374,400	sq. ft.
	GSE HD 60 mil	322,268	sq. ft.
	Bentofix NSL	175,392	sq. ft.
	GSE FabriNet 6 oz	230,115	sq. ft.
	GSE FabriNet 6 oz Single-Sided	201,115	sq. ft.
	GSE Geotextile 10 oz	36,592	sq. ft.
Amount:	$818,775		
Date completed:	8/29/2005		

Project Name:	Allied Waste/Roosevelt Regional Landfill MSW 13		
Site Location:	Roosevelt, WA	**GSE No.:**	**516808**
Application:	Sanitary LF		
Owner:	**Allied RABANCO Regional Disposal Co.**		
Owner Contact:	Art Mains	800 375-5641	
General Contractor:	Allied RABANCO Regional Disposal Co.		
GC Contact:	Art Mains	800 375-5641	
Engineering Firm:	Thiel Engineering		
Engineer Contact:	Richard Thiel	530 692-9114	
Products:	GSE White 80 mil	803,025	sq. ft.
	GSE White Textured 80 mil	323,325	sq. ft.
	GSE HyperNet	36,000	sq. ft.
Amount:	$652,300		
Date completed:	5/3/2005		

Project Name:	Waste Mgt/Waimanalo Gulch Landfill Cell 2-1		
Site Location:	Kapolei, HI	**GSE No.:**	**516815**
Application:	Sanitary LF		
Owner:	**Waste Management**		
Owner Contact:	Rick Von Pein	510 613-0254	
General Contractor:	WMI Waimanalo Gulch Landfill		
GC Contact:	Joe Hernandez	808 668-2985	
Engineering Firm:	A-Mehr, Inc.		
Engineer Contact:	Ali Mehr	714 633-5757	
Products:	GSE White Textured 60 mil	234,000	sq. ft.
	Bentofix NWL	197,625	sq. ft.
	GSE Geotextile 16 oz	27,000	sq. ft.
Amount:	$614,200		
Date completed:	9/27/2005		

Project Name:	Dow Salzburg Landfill Cell 17-19 Cap		
Site Location:	Midland, MI	**GSE No.:**	**516854**
Application:	Sanitary LF Cap		
Owner:	**Dow Chemical Company**		
Owner Contact:	Todd Konechne	517 638-1639	
General Contractor:	Dow Chemical Company		
GC Contact:	John Allen	517 636-6085	
Engineering Firm:	In House		
Products:	GSE White Textured 40 mil	482,625	sq. ft.
	Bentofix NWL	336,634	sq. ft.
	GSE FabriNet UF 6 oz Single-Sided	243,000	sq. ft.
	GSE FabriNet UF 6 oz	122,400	sq. ft.
	GSE Geotextile 6 oz	9,000	sq. ft.
Amount:	$601,760		

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2660 dewatering pump

Designed without compromise

The new 2600 series from Flygt represents a major breakthrough in dewatering pump technology. Radically engineered from the ground up, these robust pumps deliver unmatched wear resistance, consistent performance over time, and ease of service. The result is lower overall cost of ownership.

When you need a portable pump with extra performance, the 2660 fits the bill. Its patented Dura-Spin™ hydraulic system and newly designed high-chrome cast iron impeller significantly improve wear resistance and sustain performance over time. It's easy to adjust the impeller for optimum performance, with just one adjustment screw.

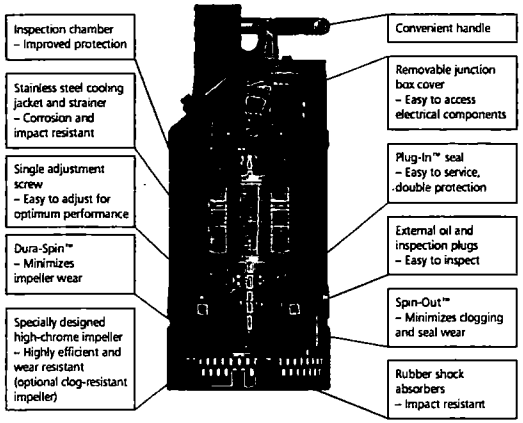
Cutting-edge design with fewer components makes this pump simple and quick to maintain. A removable top cover gives effortless access to the junction box, and external oil and inspection plugs facilitate maintenance. The inspection chamber improves protection and extends service intervals. The unique one-piece Plug-In™ seal provides superior protection and is easy to replace.

This advanced technology is backed by Flygt's outstanding support and worldwide presence. Operating in over 130 countries, we bring many years of experience to bear in order to keep your business moving.

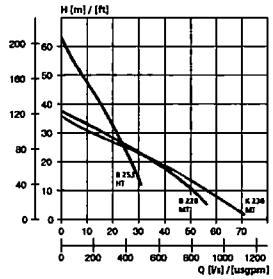
Engineered for life

60Hz

2660.180 60Hz



Performance



HT= High head
MT= Medium head
B = Wear resistant impeller
K = Clog resistant impeller (option)

Dimensions

Height	33.58" / 853 mm
Diameter	13.62" / 346 mm

2660.180

Submersible pump for dewatering of construction sites, mines, draining of flooded areas and other similar applications where the liquid may contain abrasive particles.

Denomination

Product code	2660.180
Installation	Portable
Impeller characteristics	
Wear resistant, medium head (B 228, MT)	
Wear resistant, high head (B 253, HT)	
Optional clog resistant (K 236, MT)	
Discharge connection	6", 4"

Process data

Liquid temperature	max +104°F / +40°C
Depth of immersion	max 65.62 ft / 20 m
Liquid density	max 1100 kg/m³
Strainer hole size	0.35" x 0.71" / 9 mm x 18 mm
The pH of the pumped liquid	pH 5–8

Motor data

Squirrel cage 3-phase induction motor	
Frequency	60Hz
Insulation class	H (+356°F / +180°C)
Voltage variation	
– continuous running	max ± 5%
– intermittent running	max ± 10%
Voltage imbalance between phases	max 2%
No. of starts/hour	max 30

Cables

SUBCAB®	Submersible cable
NSSHÖU	Heavy-duty rubber submersible cable

Monitoring equipment

Thermal contacts opening temperature	+289°F / +140°C

Materials

Outer casing	Stainless steel
Impeller	High-chrome alloyed white cast iron
Wear parts	Nitrile rubber
Stator housing	Aluminum
Strainer	Stainless steel
Shaft	Stainless steel
O-rings	Nitrile rubber

Mechanical face seals

Inner	Tungsten carbide
Outer	Tungsten carbide

Weight

Total (excl. cable)	172 lbs / 78 kg

Options

Warm liquid version max +158°F / +70°C
Quick couplings 6", 4"
Starters
Zinc anodes
Clog-resistant impeller

Accessories

Adapters, hose connections and other mechanical accessories. Electrical accessories such as pump controller, control panels and monitoring relays.

Rating

3~	
Rated output	15 hp / 11.2 kW
Speed of rotation	3465 rpm

Voltage V	Rated current A	Starting current A
220 D	37	222
230 Y	35	224
380 D	21	128
460 Y	18	112
480 Y	17	117
575 D	14	96
600 D	14	101

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Hallaton, Inc.
Containment Linings

QUOTE

Kennedy Garber
1206 Sparks Rd.
Sparks, MD 21152
P 410.583.7700 F 410.583.7720
KGarber@Hallaton.com

QUOTE NO.	319-10
REVISION	C
DATE	December 21, 2010
EXPIRATION DATE	January 21, 2011

TO Rick Meyers
RECON Services
1488 Cox Ave.
Elanger, KY 41018
P (859) 746-1140
rick.meyers@reconservices.com

PROJECT	LOCATION
El Paso Energy- MPA Basin Drainage Channel	El Dorado, KS

We are pleased to submit the following proposal for the referenced project:

QUANTITY	DESCRIPTION	UNIT PRICE	LINE TOTAL
1.00	Mobilization - 2 Techincians & Welding Equipment (Billed at Actual Cost plus 15%)	$ 2,500.00	$ 2,500.00
3.00	Hotel & Per Diem	$ 250.00	$ 750.00
2.00	Daily Rate for Two Technicians and Welding Equipment ($/day)	$ 2,200.00	$ 4,400.00
0.00	*Standing Time- If crew is required to stay in town as "Stand By" for any/all delays ($/day)	$ 800.00	
	Materials:		
28704.00	40 mil HDPE Textured Liner- 2 Rolls (23' x Varying Lengths)	$ 0.3321	$ 9,532.60
35670.00	200 mil Geonet- 8 Rolls (14.5' x 330')	$ 0.225	$ 8,025.75
36000.00	Alternate: 12 oz Non-Woven Geotextile- 5 Rolls (15' x 480')	$ 0.195	$ 7,020.00
1.00	Freight- Liner & Geonet	$ 3,000.00	$ 3,000.00
1.00	Freight- Geotextile- LTL	$ 1,200.00	$ 1,200.00

ALL OF THE ATTACHED TERMS & CONDITIONS APPLY

SUBTOTAL	$ 36,428.35
6% SALES TAX	N/A
TOTAL	$ 36,428.35

Quotation prepared by: *Kennedy Garber*

This is a quotation on the goods and services named, subject to the conditions noted below & attached:
Prices are based on standard materials per attached material specification. No testing is included.
Prices are based on the quoted quantities above. Any change in quantity, material or specification details will require a revised quotation.
Warranty - Unless otherwise noted all products are sold with a standard manufacturer's warranty (if available).

To accept this quotation, sign here and return: _____

HALLATON SCOPE OF WORK

- Hallaton will supply materials, labor, specialty equipment, welding equipment, hand tools and all contract-required submittals to furnish and install the materials quoted above.
- All of the above-described work to be installed as required per plans and specifications submitted to Hallaton on December, 2010.
- No prevailing wage rates apply.

SPECIAL CONDITIONS

- This quotation includes ONE Mobilization(s). Additional mobilizations @ $ As Listed Above.
- This price is based on having **the ENTIRE area ready at time of mobilization**.
- Work performed on good weather days as determined by us due to the nature of our product.
- This proposal is based on installation upon subgrade which is firm, dry, and smooth. Liner installation is contingent upon subgrade approval by Hallaton, Inc. No deviation from this requirement will be accepted.
- Work environment to be level "D" classification (non-hazardous) only.
- Cost of payment and performance bonds not included.
- **Sales Tax is included** in this Proposal.
- Work delays or interruptions caused by incomplete structures, subgrades, standing time caused by the Owner, Contractor, or any other reason beyond Hallaton's control (except weather delays), will be charged to the Owner or Contractor at a rate of $ N/A per hour for a minimum of four hours per day, and a maximum of eight hours per day plus expenses, if any.
- If work scheduling calls for cold weather seaming practices to be used at any time, in order to seam any material below 40 degrees F., an increase in pricing shall be made.
- **Testing:** Hallaton will provide non-destructive field seam testing of geomembrane. Any other testing is hereby excluded from this proposal
- Any as-built shop drawings by Hallaton. **Surveyed** as-built drawings, if required, by others.
- Pipe penetration boots only as listed above. There are **no concrete attachments** in this proposal

OWNER / GENERAL CONTRACTOR PROVIDED SERVICES

- Owner / General Contractor to provide Hallaton with the following:
- Acceptance, unloading/reloading, and safe storage of all Hallaton materials (to be delivered to job site prior to Hallaton personnel arriving).
- **Supply all equipment necessary to move and place material** throughout the entire installation process.
- Prior to Hallaton mobilization, all concrete and piping work.
- Site is to be level and ready to receive our finishes (includes but is not limited to subgrade preparation and anchor trench excavation and backfill).
- All dewatering and snow removal at lining site.
- Sand for filling sand bags to prevent wind uplift.
- Reasonable access to and from work site.
- Access to and use of sanitary facilities for Hallaton personnel.
- Acceptance of and full support of Hallaton production force being non-union.
- Disposal of waste off site if necessary.

TERMS OF PAYMENT

- **Prices are firm for 30 days** from date of quotation and pursuant to the above contract. *NOTE: Due to the current volatility in material and transportation costs, Hallaton cannot guaranty prices beyond the stated expiration date. Any orders beyond this date will require a revised quotation.*
- Installation will be billed as the job progresses; terms are **Net 30 days.**
- Interest of 1.5% per month will be charged on any overdue balance.
- Material will be billed upon delivery.
- Retainage will not be held.

SCHEDULING

- This quotation is based on **Daily Rate.**
- **Price is based on work Monday through Friday, 10 hours per day plus travel time.**
- Owner agrees to coordinate Hallaton required scope of work scheduling so to allow Hallaton a minimum of **four weeks lead-time** for scheduling and ordering material.
- Owners will fully support a Hallaton requirement to work extended hours each day on a seven-day-per-week basis, if needed to finish a critical area.

INSURANCE

- Contractor agrees to accept Hallaton **existing insurance** coverage. Certificates available upon request.
- Hallaton 2009 EMR- 0.67

FORCE MAJEURE

General Contractor and Hallaton both recognize the price contemplated above is negotiated on the premise that Hallaton is now able to obtain the materials quoted from its current suppliers at current pricing. If Hallaton is unable for any reason to acquire the quoted materials in sufficient quantity due to Force Majeure or Acts of God, and in such case Hallaton is unable to obtain such material from any alternate source at a comparable price, then Hallaton at its option may suspend performance and be excused from this Agreement during such period of higher price or unavailability of material.

FRITZ-PAK CONCRETE ADMIXTURES

NS-7

NON-SHRINK GROUT FLUIDIFIER

ADVANTAGES

- Increased compressive, shear and bond strength.
- Increased water retention.
- Reduced water requirements.
- Extended working life.
- Higher strengths may be achieved more economically.
- Easily adaptable to leaner mixes.
- Improves grout workability with no loss in strength.
- Expansion provides better contact with surrounding surfaces.
- Improves water-tightness by reducing cracks and cold joints.
- Improves cohesiveness and decreases bleeding and segregation.
- Reduced time and labor costs for placement.
- Allows ease of placement in difficult areas such as high density steel reinforcement.

DESCRIPTION

Fritz-Pak NS-7 is a ready-to-use dry powdered admixture for portland cement grouts. NS-7 is formulated to produce a more uniform and workable non-shrink grout with less water, improved flowability and extended set times. As a non-shrink additive, NS-7 will allow slow, controlled, in-place expansion prior to hardening. As a grout fluidifier, NS-7 will greatly enhance flowability allowing ease of placement with extended handling and set times. NS-7 also significantly reduces water requirements, 10 to 20 percent, yielding increased compressive and flexural strengths. NS-7 is recommended for all types of high-lift portland cement grouting applications where improved non-shrink performance with increased flowability is desired. NS-7 does not contain calcium chloride, nitrites, nitrates or other potentially corrosive materials and is compatible with all standard grout additives.

DIRECTIONS

NS-7 should be added in powdered form to the grout mix at the job site, rather than the plant, to ensure no reduction in expansive action and to provide maximum flowability.

1. NS-7 should be used in grouts containing at least six sacks of Type I or Type II portland cement. NS-7 may be added before or after adding water into the mix. If using the 1-lb water soluble bags to prepare the grout, one bag per sack of cement is the recommended dosage.
2. Each NS-7 bag is double-bagged. Remove the protective outer plastic bag and introduce the entire inner water soluble bag and its contents into the mix.
3. Mix thoroughly for at least 5 minutes after adding water.

RECOMMENDED DOSAGE RATE

One pound of Fritz-Pak NS-7 is recommended for each 100 pounds of cementitious material (1% bwc) to provide proper expansion and fluidifying characteristics. Grout temperature, ambient temperatures or grout mixes containing accelerators, retarders, or special admixtures such as silica-fume may require dosage rates outside the recommended range. Contact your Fritz-Pak distributor with any questions concerning the dosage rates for this product. We recommend that testing be done to determine the suitability of NS-7 to your grout mixes.

COMPATIBILITY

NS-7 is compatible with all air-entraining admixtures, calcium chloride and other admixtures. When used with other admixtures, each one must be dispensed separately into the mix.

PACKAGING

- 42-lb (19-kg) paper bag, 60 bags per pallet (item #97080)
- 1-lb (454-g) water soluble bag, 30 bags per case, 42 cases per pallet (item #97081)

FAQs

Q. How does NS-7 work and produce a non-shrink grout?

A. It contains an ingredient that generates gas and produces expansion. Expansion occurs before set in order to fill all voids and cavities.

Q. Is the expansion destructive?

A. No. Since the expansion is made by gas, it will not be strong enough to break any forms.

continued...

Fritz-Pak Corporation • 11220 Grader Street, Suite 600 • Dallas, TX 75238 • Tel: 214-221-9494 • Fax: 214-349-3182 • www.fritzpak.com

NS-7

NON-SHRINK GROUT FLUIDIFIER

Q. Is there any expansion after setting?
A. No.

Q. What type of gas is generated?
A. Hydrogen.

Q. Are there any special guidelines for the application of non-shrink grouts made with NS-7?
A. Generation of gas starts within 5 minutes of adding water and will continue for approximately 1 ½ hours. The sooner the grout is placed, the greater the expansion it will give. The grout should not sit more than 1 ½ hours before it is used.

Q. Dose NS-7 work with calcium aluminate cements?
A. Yes. It is also effective with fast set cements.

Q. Does NS-7 contain a water reducer?
A. Yes.

Q. For grouts made with NS-7, do I follow standard concrete testing procedures?
A. No. Compressive strength needs to be tested using restrained cylinders or molds. If not done this way, compression strengths will be lower. See ASTM C 1107 for further reference.

Q. Can I use NS-7 for block fill material?
A. Yes.

Q. What are the standards for NS-7?
A. NS-7 is used to produce non-shrink grouts. It is the grout produced that needs to conform to the specifications. With NS-7 you can produce grouts that conform to ASTM C 1107, Grade "A" Pre-Hardening Volume-Adjusting.

Q. What are the best applications for NS-7?
A. NS-7 is used to prepare non-shrink grouts used in block filling, hollow core filling, ICF grouting, back filling in tunnels, back filling of pipes and in general for filling voids were low to moderate strengths are required.

PRECAUTIONS

NS-7 is not recommended as a non-shrink additive for conventional concrete applications. All Fritz-Pak Concrete Admixtures should be stored in a dry location protected from breakage, deterioration and contamination. They are not subject to damage from freezing temperatures.

WARRANTY

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Fritz-Pak Corporation and users should make their own tests to determine the suitability of these products for their own particular purposes. Because of numerous factors affecting results, Fritz-Pak Corporation makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for purpose. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of Fritz-Pak Corporation for claims arising out of breach of warranty, negligence, strict liability, or otherwise are limited to the purchase price of the materials.

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Product Bulletin #134

Mix Design Report

CERTIFICATE NO :

Mix Design No. :	**6180 2000 PSI EXT SAND w/ASH**	**Client :**	**Remedial Construction Services**
Plant :	**Plant 4, El Dorado**	**Project :**	**Pipe fill for Frontier Refinery**
Strength :	2 000 psi at 28 Day	w/cm Ratio :	0.53
Aggregate size :	FA-1 Sand	Slump	4.00 ± 1.00in
Usage :	Exterior	Slump with SuperP	
Placement :		Air % :	6.0 ± 1.5 %

Mix Analysis

Material - Type - Supplier - City	F.M.	Gsb	Abs.	Qty SSD	Volume
Stone & Sand					
REGSAND - FA-1 Sand - Natural SandCornejo Materials	2.91	2.630	0.63	2942 lb	17.92 ft³
Cement & Mineral Additive					
CEMASHGV - Cement Type I/II ASTM C150 - Type I / IIAsh Grove Cement		3.150		451 lb	2.29 ft³
FLYASH - CLASS C FLYASH - FlyashAsh Grove Resources		2.680		99 lb	0.59 ft³
Water					
WATER - WATER - City Water - -		1.000		35.0 Gal	4.68 ft³
Air 6.0 %					1.62 ft³
Admixture & Other Constituent					
AIR - Air Entrainment - ASTM C260GRT Admixtures		1.010		1.00 oz/yd³	0.00 ft³
WR - Water Reducer - ASTM C494GRT Admixtures		1.000		27.50 oz/yd³	0.03 ft³
		Total		3784 lb	27.10 ft³

Unit Weight : 139.6 lb/ft³ Total mix cost :

Optional Products :

Remarks :

Prepared by : Neal Morris, General Manager	Approved by :
Date : 1/19/2007	Date : / /

elpaso

July 27, 2011

Margaret J. Weiser
Environmental Scientist / Project Manager
Kansas Department of Health and Environment
Bureau of Environmental Remediation
1000 SW Jackson Street, Suite 410
Topeka, KS 66612-1367

Eric C. Staab, P.E.
Professional Environmental Engineer
Kansas Department of Health and Environment
Bureau of Water
1000 SW Jackson Street, Suite 420
Topeka, KS 66612-1367

RE: *Proposed Addition of an Underground Oil/Water Separator (UOWS) to the April 2011, Final (100%) Water Treatment Design*
El Dorado Refinery, El Dorado, Kansas

Dear Ms. Weiser and Mr. Staab:

El Paso Merchant Energy-Petroleum Company (EPME-PC) is pleased to submit the attached evaluation and design memorandum proposing the addition of an underground oil/water separator (UOWS) to the wetland-based water treatment system currently being constructed at the former EPME-PC El Dorado Refinery (Site) located in El Dorado, Kansas. As discussed in the memorandum, EPME-PC determined a permanent UOWS and a temporary above-ground OWS for use during the construction transitional period, are prudent enhancements to better manage the larger-than-anticipated volume of free product being recovered from the recently installed Basin Interceptor Trench (IT).

Your prior timely reviews have been appreciated and were critical to maintaining the aggressive construction schedule. Although pond closure and construction are proceeding on or ahead of schedule, procurement and installation of this equipment is on the construction schedule's critical path to allow planting and start-up of the first two stages of the wetlands yet this fall; therefore, we again request an expedited review of this brief design and relatively simple addition to the proposed process flow. Similar to prior reviews, we believe a brief conference call may be helpful to answer your questions and clarify any concerns prior issuing your final comments. To that end, EPME-PC will be

contacting you within the next two weeks to determine your interest and availability for that call. In the meantime, if you have any questions or require any additional information, please do not hesitate to call me at (719) 520-4615.

Sincerely,

Brian Kellmann, P.G., CHMM
Project Manager
Environmental Remediation
El Paso Corporation

Enclosure

cc: Douglas E. Mick (MWH)
Jeffrey D. TeGrotenhuis (MWH)

MWH

BUILDING A BETTER WORLD

TECHNICAL MEMORANDUM

Date: July 27, 2011

To: Brian Kellmann, P.G., El Paso Merchant-Energy Petroleum Company (EPME-PC)

From: Jeff TeGrotenhuis, P.E., MWH

Subject: Addition to the El Dorado Refinery Water Treatment Design (April 2010) - UOWS

The volume of product continuing to be recovered from the Basin Interceptor Trench (Basin IT) has exceeded expectations with an estimated 2,600 gallons to date (an average of over 400 gallons per month). While this reduces the product migration risk and benefits overall site remediation, the original product handling plans require updating to better manage the volume of product during the next 1.5 years of construction and beyond. The revised plan includes the temporary use of a portable above-ground oil-water separator (OWS) during conversion of the existing OWS to a mineral settling basin (Settling Basin). This will prevent discharge of product to the SE Pond product boom area during this period. In addition, an underground OWS (UOWS) will be installed prior to the cascade aerator to recover product from all current and future influent streams, including the Basin IT and Seep IT. Although no product is currently being recovered from the Seep IT, there is a risk product could be mobilized to this trench after the Stormwater Pond hydraulic head is reduced/removed. Given that construction is ongoing and conversion of the OWS is scheduled for August 2011, this action is time-critical.

ALTERNATIVES EVALUATION

Several different approaches and sub-alternatives are available to more easily manage the recovered product. These range from separating the product and groundwater streams using dedicated product pumps(s) to various forms of an OWS, including reuse of an existing above-ground storage tank (AST). Three of the primary options are evaluated in this section.

Option 1: AST Reuse as OWS

There is an AST located immediately east of the existing OWS that was previously used to store product skimmed from the OWS. All combined product and groundwater flow streams could be directed into one end of the existing AST using the long residence time to permit separation of the product and water streams, with the product periodically skimmed off the top. The tank is

tall enough to provide sufficient hydraulic head to gravity flow water from the AST bottom to the top of the future cascade aerator. Some considerations:

1. This would address both current flow streams (Basin IT and Seep IT) and any future flow steams that may result from Corrective Action Study (CAS) decisions.
2. The lack of oil coalescing plates may permit minor amounts of emulsified product to pass through the AST and potentially all the way through the Settling Basin and wetlands, increasing the loading on the wetlands; however, the low specific gravity of the recovered product (light end hydrocarbons) suggests this should be a small risk.
3. The interior condition the AST will not be known until work is begun. Fittings/flanges will not be in optimal locations. New ports could require full cleaning/inerting prior to cutting/torching.
4. Product measurement/flow rate and volume calculations would be via tank gauging.
   - This is accurate over time, but gauging would be complicated by changing tank liquid heights that would depend upon the flow rates.
   - Either stairs (for standard interface probe use) or floats (one specific gravity float for product and one for water) would be required to gauge the product thickness.
   - Or a continuous product skimmer pump system could be installed that would transfer the product to another more easily gauged AST; however, this would add complexity and the associated operation and maintenance (O&M).
5. The short above-ground influent/effluent piping sections would be insulated and heat traced; however, when power is lost (e.g., ice storm) the risk of pipe freezing and associated leaks remains.
6. The AST sides would potentially coat with a few inches of ice during extreme weather, but this is not a significant concern and should not notably impact operation.
7. KDHE-BER Storage Tank Section: Ms. Catherine Herring (KDHE-BER) confirmed that the proposed application would be considered "flow-through" and, hence, exempt from KDHE-BER Storage Tank Section regulations.
8. Kansas State Fire Marshall's Office (KSFMO):
   - If El Paso has greater than 660 gallons of product, the AST falls under KSFMO's regulations which would require recertification of the tank. This is sufficiently costly that the idea would be abandoned.
   - KSFMO stated if greater than 660 gallons of product are never allowed to accumulate (be stored in the AST), the AST would be exempt.
   - Even if less than 660 gallons of product is accumulated, local code still requires compliance with standard mechanical/electrical/plumbing; however, the only local fuel-code related requirement is for natural gas and propane (not applicable).

9. A Spill Prevention Controls and Countermeasures Plan (SPCCP) is required if greater than 1,320 gallons of product are stored site-wide in ASTs.
10. Product Removal from AST options:
    - The AST would never be permitted to exceed 660 gallons of product (a violation of KSFMO regulations). The product would be removed by vacuum truck pump; however, some water would likely be entrained in the product during removal, limiting product recycling options.
    - A product skimmer pump could be installed. Given potentially variable flows and resulting changing water levels in the AST, this would likely be a hydrophobic skimmer (as are often used down wells) that would then gravity flow into a 500 gallon product storage AST.
11. Secondary Containment: The AST would likely be moved to the existing bermed concrete pad that is to remain east of and to gravity drain into the existing OWS.
12. ASTs have a long-term vandalism risk (e.g., graffiti or target practice). The larger/more visible, the greater the risk. However, this AST has not been a target to-date and is difficult to access.
13. Capital Cost: This is the lowest cost of the three alternatives evaluated.
14. O&M Cost: While the AST itself is very low O&M, freeze-related, product gauging, and removal considerations would increase the O&M cost/issues of this option to moderately low relative to the other options.
15. Schedule: This is the easiest and, hence, quickest to implement of the options evaluated with few to no long-lead parts.

Option 2: Separate Product/Water Streams

This alternative addresses only product from the Basin IT, the current source of product. A groundwater pump with a variable frequency drive (VFD) and transducer could be used to maintain a constant product/water elevation at the corrugated influent pipe flow line in the Basin IT sump. Flow rates would be automatically varied from near 0 to 30 gallons per minute (gpm) to maintain this elevation. This elevation would be selected to maximize product/groundwater recovery; prevent splashing/mixing of the product and water in the sump (e.g., would occur if the fluid level dropped below the pipe); and prevent trapping of product in the pipe if the water level went above the influent pipe (would reduce overall product recovery rates). A product skimmer pump would be used to recover and pump the product to a 500-gallon AST located near the vault.

1. This is relatively simple to implement, but it addresses only the Basin IT Sump; therefore, if product appears in the Seep IT, that product would still go to the Settling Basin per the original plan to use it as an OWS.

2. Separate streams mean no risk of emulsified product in the Basin IT water stream.
3. The product pump and VFDs historically require moderate maintenance and repair.
4. Frequent product recovery rates could be obtained from a flow meter, with accurate/easy measurements of the small product AST used for final volumes.
5. There would be no significant winter freeze risk.
6. The storage AST would be less than 660 gallons with built-in secondary containment.
    - This would be exempt from AST regulations.
    - This would be exempt from SPCCP regulations.
7. The AST would contain product only, which is easier to recycle and has higher value.
8. This would require an electrical engineer (EE) to design the two new power and control systems, which would slow the design.
9. VFDs are "green". They are adjusted to draw only the power required to pump the flows needed/no energy waste through valving down.
10. ASTs have a long-term vandalism risk, but smaller ASTs have lower risk and when product stops flowing, the AST could be removed.
11. Capital Cost: This approach would be slightly more costly than Option 1.
12. O&M Cost: The VFD and product pumps require maintenance, resulting in a moderate O&M cost ranking relative to the other options.
13. Schedule: The electrical design and equipment procurement could delay installation until mid-September.

Option 3: Underground Oil/Water Separator (UOWS)

An above-ground OWS is viable; however, the small cost differential and benefits of an UOWS (discussed below) strongly favor an UOWS for this application. The UOWS would be located within the soil mound that is being created for the cascade aerator. Water would gravity flow from the UOWS directly to the two cascade aerators. Product would accumulate in the UOWS until pumped out to a vacuum truck for recycling. The influent header line would be slightly extended. A pre-design/pre-assembled electrical panel with high level (HL) and high high level (HHL) product level indicator light and interlocks would be installed, and some grading/slope-stability related changes would be required.

1. Similar to the Option 1 (the AST reuse), this would address the entire flow stream.
2. The presence of two styles of coalescing filters (parallel plate and hydrophobic fibers) in the evaluated UOWS greatly enhances the ability to remove entrained/emulsified product relative to the AST.

3. Product measurement, flow rate, and volume calculations would be via tank gauging. The buried tank greatly simplifies access for gauging (relative to the AST) and no stairs would be required.
4. A 2,000-gallon UOWS is rated for around 400 gallons of official product storage (depending upon manufacturer) and up to nearly half the tank volume of emergency product storage (the increased storage slightly reduces removal efficiency).
5. If properly designed and installed, there would be no additional freeze risk.
6. The oil coalescer plates/screens could increase O&M costs if precipitation of significant amounts of minerals on the plates occurs; however, this is unlikely to occur at prohibitive rates since the water will not be aerated up to this point. In case it does occur, the UOWS can be specified with vaults for easy plate/screen removal and cleaning.
7. KDHE-BER Storage Tank Section: It was confirmed that similar to an AST, this application would be considered "flow-through" and exempt from these regulations.
8. Kansas State Fire Marshall's Office (KSFMO): Similar to the AST, a 400-gallon storage volume would be considered exempt.
9. SPCCP: The UOWS will be well below thresholds, and given an UST, spill risks are very low.
10. Product Removal from AST: Product would accumulate in the UOWS. When the HL product level indicator is activated, a vacuum truck would be used to pump it out, avoiding the need for a separate AST and product pump. The design of the UOWS permits precise placement of the suction hose for water-free product removal.
11. Secondary Containment / Leak Detection: Given the KDHE-BER Storage Tank Section exemption, no leak detection system is required. Also, most of the tank volume is water.
12. Capital Cost: This alternative is notably more costly than the others.
13. O&M Cost: While the coalescing plates may have some precipitation concerns, those are likely to be long-term and manageable. Other O&M considerations are less than the other two options.
14. Schedule: The design is relatively simple. UOWS Manufacturing requires 4-6 weeks plus shipping; therefore, startup would be similar to Option 2, in early to mid September.

Alternative Selection

Option 3, the UOWS, has been selected despite its higher initial capital cost because 1) it will have the lowest overall O&M costs with no new mechanical pumps or controls; 2) it addresses all current and future influent flow streams; 3) it is more frost resistant and accessible for gauging and product removal than an AST; 4) it can store the small volumes (up to 400 gallons) of product until removal so no holding AST is required; 5) the coalescing plates increase removal efficiency relative to an AST; 6) it is pre-engineered and pre-tested, which means

performance can be guaranteed; and 7) it meets all identified regulatory requirements with little to no additional monitoring, inspection, and costs. It is also buried in the soil mound to be constructed for the cascade aerator, making it less prone to damage and it better blends into the future grass and wetland landscape.

Regulatory Considerations

The regulatory requirements for an underground OWS were investigated:

KDHE-BER Storage Tank Section. KDHE-BER storage tank section (Section) regulations specifically exclude "Process Flow-Through" tanks. The Section was contacted to confirm an OWS meets the definition of a flow-through tank. Written confirmation was received regarding an above-ground OWS (Attachment A) and was later verbally confirmed for an UOWS; therefore, UST installation and reporting requirements do not apply and a double-contained tank and leak detection are not technically required. However, as previously discussed in this memorandum, EPME-PC has voluntarily decided to procure a double-walled tank with leak detection as an added safety measure.

Kansas State Fire Marshal Office (KSFMO). No AST or UST requires certification or inspection from the KSFMO if it will store less than 660 gallons of product. The specified UOWS is rated for 400 gallons, and product will be removed from the UOWS prior to this volume; however, the KSFMO was contacted to verify if the total volume of the UOWS would be used in determining this. Stephen Frenske of the KSFMO stated only the product storage volume is used in determining inspection and reporting requirement; therefore, as long as no additional or larger ASTs were used on-site to store the collected product their review and inspection would not be required.

National Fire Protection Association (NFPA) 30 – Flammable & Combustible Liquids Code. NFPA rules apply to petroleum storage tanks. Although an UOWS is not strictly a petroleum storage tank, the intent of several code chapters still applies. After reviewing the 2008 NFPA code and discussions with the manufacturer, the specified UOWS and associated piping and vent system comply with this code: *Electrical* (Chapter 7), such as intrinsically safe wiring, NEMA panel and location, and *General Storage Tank and UST* requirements (Chapters 21, 23, and 27), including material of construction, backfill, burial depth, corrosion protection, venting, piping, initial testing, etc. Many Code sections are not applicable, such as service station-related, tanker truck off-loading, facility/building evacuation plans and alarm systems, etc. The *Fire Prevention and Risk Control* (Chapter 6) hazard analysis, hot work permit, static electricity (grounding/bonding), personnel training, emergency plan, fire notification and protection system, and *Dispensing, Handling and Transfer* (Chapter 18) requirements will be addressed in the site-specific Health and Safety Plan (HSP) through one or more activity hazards analyses that may include 1) gauging and near-tank activities, 2) maintenance/manway opening and entry, and 3) product off-loading/transfer. A Class ABC fire-extinguisher will be located nearby (likely secured to the Settling Basin rail).

Local/Butler County. The facility is located outside the City of El Dorado; therefore, Butler County regulations apply. Rod Compton with Butler County Planning and Zoning was contacted and referenced the following potentially applicable codes:

- 2004 Part 54 and 58 of NFPA
- 2000 Uniform Mechanical Code
- 2003 International Building Code
- 2002 National Electrical Code
- 2003 Uniform Plumbing Code

Part 54 and 58 of NFPA apply to propane and natural gas storage and hence are non-applicable. No mechanical components or buildings are required. A construction permit will be required, but the installation readily complies with national electrical and uniform plumbing codes.

KDHE Bureau of Air. Air permits are not typically required for ASTs or USTs; however, given the volatile nature of the extracted product (Class I with flash point less than 100°F) hazardous air pollutants (HAPs) emissions were evaluated. Jerry McIntire of the KDHE Bureau of Air was contacted and confirmed that no special permitting is required as long as federal de minimus levels (25 tons per year total HAPs and 10 tons any single HAP) and KDHE 50 total pound per day total HAPS limits are not exceeded. Given the cool underground location and nearly constant fluid level, UST emissions will be well-below these thresholds.

BASIS OF DESIGN

The following section provides some of the supporting details and rationale for the attached drawings and subsequent specifications. Given the delivery and construction schedule, a temporary above-ground OWS will also be used during construction to protect the SE Pond.

Temporary Above-Ground OWS

A small 50 gpm portable OWS (Attachment B) that is currently stored at the Wichita El Paso Refinery will be relocated to the El Dorado Refinery and installed prior to discharging to the SE Pond as shown on the revised Water Treatment Design Sheet C4 (Attachment C). This simple configuration uses the same temporary bypass line and gravity discharge location that was planned for use once the existing OWS is taken off-line for conversion to the Settling Basin. The current average flow is approximately 15 gpm from the Seep IT and 16 gpm from the Basin IT for a total of 31 gpm, which is within the 50 gpm OWS rating. However, the groundwater/product extraction pumps cycle on and off, resulting in possible instantaneous flows of up to 84 gpm. This could result in notable fluctuations in the OWS fluid levels, complicating proper adjustment of the skimming weir and short-term reducing removal efficiency; therefore, operation will be closely watched during the first few days of startup.

Fortunately, the high flows are improbable with the vast majority likely within the rated 50 gpm range; therefore, acceptable OWS performance is anticipated. If this proves not to be the case, a small (e.g., 200 gallon) surge tank will be installed beside or on top of the OWS, with the bottom elevated above the OWS influent line. With a slightly constricted effluent line, this would attenuate pumping surges.

The above-ground OWS's height will permit gravity flow of water into an existing 8-inch PVC pipeline that will be redirected to the SE Pond as part of the original design plan. Product will gravity flow into a small (less than 500 gallon) temporary AST and will be recycled or properly disposed. The OWS is skid-mounted and low-weight; therefore, no structural/foundation design is required. The area will be graded as necessary and recycled crushed concrete (RCC) materials placed to form a stable and level pad for the skid. Field plumbing modifications will be made for the short influent and effluent pipe connections

Permanent Underground OWS (UOWS)

Because styles and, hence, connection details/sizes vary between UOWS manufacturers, one model was selected as the basis for this design, although a similarly functioning unit may be used. The example UOWS is a double-walled 2,000-gallon HighGuard OWS by Highland Tanks. Product information is included in Attachment D and its location in the existing design layout is shown on Sheets C4 and C5 (Attachment C).

Location. The UOWS will be buried in the cascade aerator soil mound: 1) for frost protection, including the piping; 2) to improve the visual aesthetics by storing all product within (no AST); 3) to take advantage of the soil mound that is also used for the cascade aerators, although expansion is required; 4) to reduce risk of tank damage; and 5) to provide gravity flow.

Gravity Flow. Gravity flow through the UOWS to the cascade aerator, means no pumps or associated level controls or interlocks are required (See Sheet C4, Attachment C). This lowers initial and O&M cost, is simpler with less risk of failure, and has virtually no risk of overflow.

Tank Material. Steel was selected over fiberglass for a several reasons; however, the primary reason is its strength for placement of the UOWS in the soil mound. Fiberglass is not flexible and hence must be well supported on all sides to prevent cracking. Given the tank will be above the existing grade with soil placed around it, fiberglass tank manufacturers would not warranty the installation, whereas the strength and flexibility of steel permit this installation. The tank is coated on the inside with polyurethane to prevent rusting from exposure to groundwater and is coated on the outside with a proprietary coating called HighGuard. Given this, no cathodic protection is required. The specified tank and equipment meets American Petroleum Institute (API), Underwriter Laboratory (UL), Steel Tank Institute (STI), ACT-100-U®, and STI-P3® specifications

Double-Walled/Leak Detection System: This is discussed in greater detail under "Regulatory Considerations" below, but the information obtained during the design indicates an UOWS does not require secondary containment or a leak detection system under KDHE UST regulations. However, given the time-critical nature of this procurement, rapid regulatory approval was deemed a high priority; hence, the specified tank is double-walled with a leak detection system.

Sizing. The 2,000-gallon UOWS is rated to store 400 gallons of product and flow-rated to achieve 10 ppm emulsion removal at 200 gpm. This is more flow capacity than is currently required or that is likely to be needed in the future; however, the size provides added retention time and hence likely emulsion removal below 10 ppm. The size will also accommodate and attenuate short-term higher flow surges near 80 gpm that can occur if all of the extraction pumps are operating at the same time. However, the UOWS was primary sized to provide at least 400 gallons of product storage, avoiding the need for a product pump and separate product AST. Also, while future recovery rates are uncertain, this storage capacity is anticipated to permit a reasonable frequency of product removal events.

Product Level Indicators. Product collects in the top of the UOWS and fills downward, displacing water as it accumulates. There are no pumps required for this equipment; therefore, the controls are a high level (HL) float for a visual indicator reminding staff the UOWS is close to full and a high high level (HHL) "alarm" for when it is full. In addition, a leak detection sensor will also be installed in the tank wall interstitial space. All level controls and the indicator panel are pre-designed and pre-wired by the manufacturer with intrinsically safe (fully isolated) float switches located within the UOWS. Panel design drawings are included in Attachment D. The panel is NEMA 4X (weatherproof) and requires 115-volt input to power the indicator lights. It will be located on the far southwest end of the current OWS (to be the Settling Basin) so power can be obtained from the existing 115 volt lighting circuit. The UOWS HHL will be wired in series with the Settling Basin HHL to cause shutdown of all groundwater/product extraction pumps upon alarm.

Manways. All risers and manways are located on the top of the tank. These access points permit removal and cleaning of the main parallel plate coalescer via a large 4-foot by 4-foot *EZ Access* manway and a smaller 2-foot manway for the polishing *Petroscreen* coalescer. Three risers exist for the 1) HL and HHL floats, 2) the leak detection sensor, and 3) oil pump out. (These are shown in the UOWS Drawings in Attachment D but are not shown on Sheet C5 for clarity and because the locations may change). Given the location of the gravity effluent port, the tank remains fully saturated for maximum efficiency at all flow rates. Product collects on top, rising into the lower portion of the manways for additional storage until it is pumped out.

Vents. The manways are vented together for vapors/safety via a 2-inch carbon steel line. The vent stack will rise a minimum of 12 feet above grade and will be equipped with a rain cap. A separate similar vent line is included for the UOWS influent line to eliminate the risk of back-siphoning. This vent is not connected to the manway vent per the manufacturer's requirements. The manufacturer typically requires a vent for a siphon break on the effluent line as well;

however, the effluent immediately discharges to the cascade aerator at the same elevation. No siphon risk or need for the vent exists in this application.

Straps/Deadman. Straps and concrete deadman are typically used to guard against possible flotation of the UOWS when empty and groundwater is high. Given the installation in an above-grade mound and constant full volume, there is no flotation risk; however, manufacturer-provided straps and deadman may still be used to secure the tank while backfilling around it.

Site Civil Work

Several adjustments will be required to the existing design to accommodate UOWS installation:

Influent Line and Inlet Valve Box. The influent line will be slightly extended to the north with 4-inch HDPE to 6-inch flanged and reducer fittings to permit connection to the UOWS. A valve box was originally planned at the convergence of the Seep IT and Basin IT influent lines to permit connection of one or the other to a contingency above-ground OWS. Since it has been decided to install a permanent UOWS, this valve box is no longer necessary; however to permit isolation for cleaning, in case of a leak, or for diversion of water to the temporary cam fitting south of the access road, three in-ground ball-valves with riser stems will be installed as shown on Sheet C4. Since the valve box was also to permit access for pipe cleaning, three additional clean-outs will be installed in the vicinity on each line (location to be field-determined).

Soil Mound Height and Cover. The soil mound being created for the cascade aerator will be expanded. Its total height will increase to nearly 9 feet to accommodate the UOWS required burial depth and gravity effluent flow. The footprint of the mound will increase to maintain a 3:1 slope. RCC fines will still be reused to create most of the mound; however, the upper 1 foot will completed with organic topsoil to permit establishment of grass to control erosion. Grass will be the same as specified for the future East Pond cap.

Retaining Walls and Safety Rail. As shown on Sheet C5, interlocking concrete landscape blocks will be used to create a depression in the top of the mound where the UOWS effluent discharges to the corrugated aeration pipes. This will 1) permit adjustment of the HDPE discharge pipes as necessary to equalize flow to the two aeration pipes; 2) allow free air flow through the pipes that is required to add oxygen for metals precipitation; and 3) provide access for as-needed cleaning (e.g., pressure washing) of the cascade aerator pipes.

A second retaining wall has been added to the bottom of the cascade aerator (south end) to reduce the slope and erosion risk, while permitting mowing of the entire grass mound. This interlocking concrete landscape block wall will parallel the north headwall of the future Settling Basin (current OWS), fanning out down the sides to match the mound grade. While ground surface in this area never exceeds the height of the current OWS hand rail, it comes close; therefore, as an added safety precaution, a new hand rail will be installed at the top of this south retaining wall to prevent accidental entry into the future Settling Basin.

SPECIFICATIONS

The following specifications are provided to further clarify the installation:

UOWS Material, Installation, Testing, Start-up, and Electronic Monitoring

The UOWS and level/leak detection systems shall be as shown and specified in Attachment D. Installation and tank tightness testing shall be completed according to the manufacturer's requirements, copies of which are included as Attachment E.

Vent Piping and Cap

Two-inch diameter carbon steel (CS) vent pipe shall be installed as shown on Sheet C5. The pipe shall be slightly sloped to drain water or condensate back into the UOWS. Above-ground pipes shall be cleaned and coated with gray paint for metallic surfaces. Although the two vent pipes are shown offset vertically for clarity in the drawings, they may be placed at the same elevation on either side of the UOWS. The vent stacks are located on the south end of the UOWS to help delineate the aerator sump depression and facilitate mowing. The vents will be completed with a rain cap to prevent entry of moisture, but will be left open to prevent siphoning and vapor buildup in the manways.

Mound Fill and Compaction

The mound fill material around the UOWS shall be RCC fines to the elevations and slopes (3:1 and 4:1) shown on Sheets C4 and C5. The mound may be created first and excavation dug for the UOWS, or fill can be placed around the sides of the UOWS. The straps and deadman shall be well-secured to prevent UOWS movement during these operations. If the latter, fill placement shall proceed uniformly on all sides of the tank to prevent uneven loading or lateral pressures on the UOWS. Fill shall be placed in 6-inch layers with care taken to ensure no voids remain under or around the UOWS. Each layer shall be well-compacted with the excavator bucket and a vibrating plate to minimize future settlement.

Topsoil and Seeding

To provide increased frost protection compared to a porous granular material and to reduce erosion concerns given the increased mound size, the final grades shall be completed with 1 foot of topsoil. This soil shall be obtained by removing and stockpiling the surface soil from the mound area prior to construction and from the existing clean soil pile located near the MPA Basin. It shall not be mechanically compacted. Soil preparation and seeding shall be completed as specified in the Wastewater/Stormwater Pond and Asphalt Handling Area Interim Measures Closure Work Plan/Design.

Retaining Walls

As shown on Sheet C5, the increased soil cover and UOWS burial depth requirements have created increased grades at either end of the cascade aerator pipes. While it may be possible to gravel the resulting nearly 1:1 slopes, future access to the top for pressure-washing/cleaning and safety concerns near the Settling Basin favor small (4-foot maximum height) retaining walls. The locations of these walls are shown on Sheet C5. The product is a standard self-locking concrete block, the Keystone Straight Face Legacy Stone (Attachment F) or equivalent. Installation shall be completed in accordance with the manufacturer's recommendations. Given the RCC fines backfill and water seepage risks are very low, no gravel drainage layer or drainage pipe will be required behind the retaining walls. No cap or coping layer will be required for simplicity and to minimize maintenance; however, similar to upper gravel floor, all interstitial space between the top row of blocks shall be filled with the pea gravel currently located on site.

Handrail

As is evident on Sheet C5, the modifications create a 4-foot high wall at the north end of the current OWS (future Settling Basin) and while the future Settling Basin will continue to make use of the approximate 3-foot high handrail around it, this rail no longer provides adequate protection from the north. Therefore, a 3-foot tall aluminum ball-style handrail with middle (1.5-foot high) rail shall be installed across the retaining wall as shown on Sheet C5. An approved handrail cut-sheet is included at the end of Attachment F; however, other locally available equivalents will be considered. The handrail post locations are adjacent to the retaining wall and require the use of the Keystone barrier Sleeve-It™ system (See Attachment F) or equivalent as both a form and support for the 1-foot diameter concrete post footings.

Controls Interlock and Electrical

The HHL alarm relay in the UOWS panel shall also be connected in series to the nearby Solid Settling Tank HHL float so if it is tripped, all pumps are shutdown. The UOWS panel requires minimal power which shall be obtained from the Settling Tank lighting circuit. The control panel shall be mounted on two posts with the bottom of the panel located approximately 4 feet above grade, facing south.

Access Road

An access road is required along the west side of the UOWS for fire protection and product off loading. The access road shall be located as shown in Sheet C4 and shall be constructed above the existing grade with a minimum of 6 inches of RCC fines and 6 inches of road gravel similar to other recently installed access roads.

ATTACHMENT A

MWH

Bureau of Environmental Remediation
Curtis State Office Building
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Robert Moser, MD, Secretary

Kansas

Department of Health & Environment

Phone: 785.296.1661
Fax: 785.296.6190
cherring@kdheks.gov
www.kdheks.gov

Sam Brownback, Governor

RECEIVED
JUN 10 2011
WCH-1

June 8, 2011

Mr. Doug Mick
MWH
8200 E. 34th St. Circle North
Suite 1200
Wichita, KS 67226

Dear Mr. Mick:

Per our phone conversation on 6/8/11, I am writing to confirm the information I gave you. The conversation was regarding a 20,000 gallon aboveground storage tank that will be used as an oil/water separator. Because of the size of tank, I verified the following information with Marcus Meerian, Unit Chief for the Storage Tank Preventative Section.

The tank is considered a flow through or processing tank which would make it exempt from KDHE Storage Tank registration. However, due to the size of the tank, our concern was how often the waste oil would be removed. It was estimated by you it would be emptied at least every 60 days. This would leave the tank in the exempt status.

I also advised you about registering an exempt tank. No fees or permit is required for exempt tank(s), the advantage is if remediation would be required for a spill it would be one step you would not have to do at the time of the Trust Fund Application.

We also discussed the need for an SPCC at the facility. I quoted you the size of tank required for underground tanks. The size for aboveground tanks is 1,320 gallons. All Kansas Fire Marshal regulations would need to be followed regardless of whether you decided to register this tank with KDHE.

Please feel free to call me or Marcus Meerian if you have any further questions.

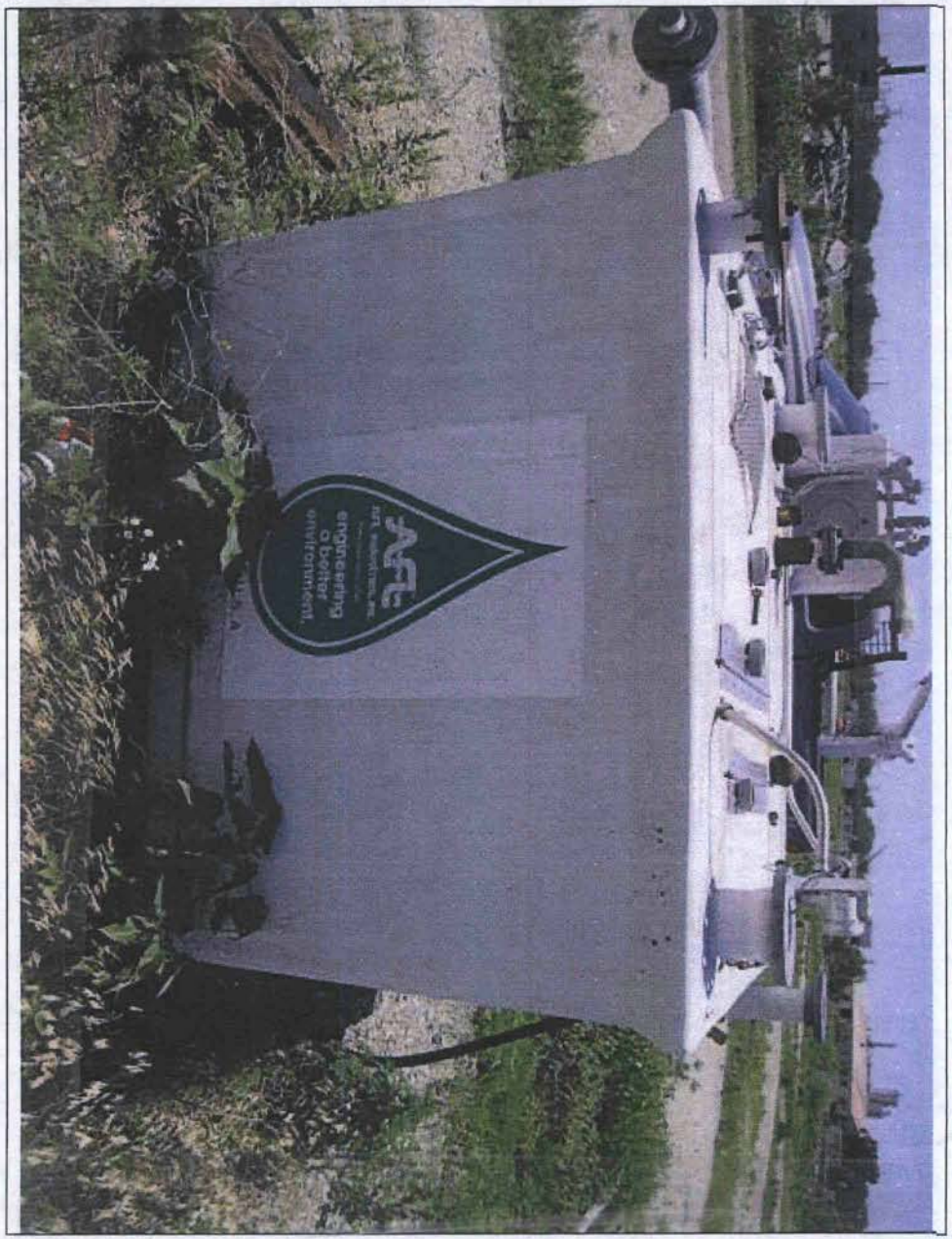
Sincerely,

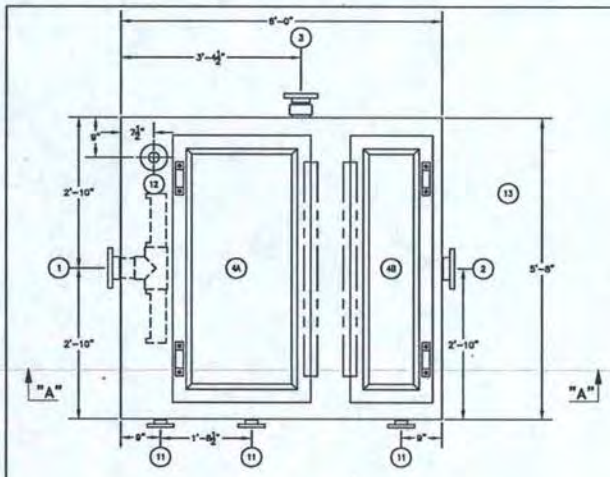
Catherine J. Herring

Catherine J. Herring
Administrative Specialist
KDHE/BER/Storage Tanks

ATTACHMENT B

MWH





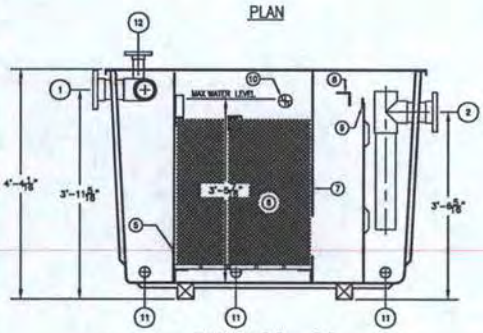
PLAN

ASSEMBLY LIST

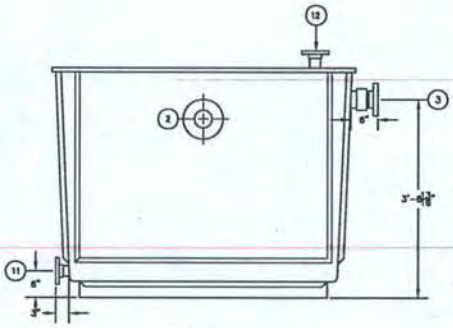
1. 4" # INLET, FLANGED
2. 4" # OUTLET, FLANGED
3. 3" # OIL OUTLET, FLANGED
4A. 5'-0" x 2'-8" MANWAY
4B. 1'-8" x 5'-0" MANWAY
5. INLET BAFFLE
6. VERTICAL TUBE COALESCERS
7. OIL RETENTION BAFFLE
8. SHEEN BAFFLE
9. ADJUSTABLE OUTLET WEIR
10. ROTARY PIPE SKIMMER
11. 2" # DRAIN, FLANGED (3 REQ'D.)
12. 2" # VENT, FLANGED

NOTES

1. WITHOUT WRITTEN CONSENT FROM AFL INDUSTRIES, INC., DO NOT:
   - A. DRILL HOLES OR OTHERWISE PUNCTURE THE FIBERGLASS SKINS OF THE UNIT.
   - B. MOUNT ANY EQUIPMENT OR ACCESSORY ON THE UNIT.
   - C. REMOVE ANY EQUIPMENT OR ACCESSORY FROM THE UNIT.
   - D. FLOOD THE UNIT OR RESTRICT THE OUTFLOWS.
2. AFL REQUIRES A FLEXIBLE COUPLING TO BE INSTALLED BETWEEN THE TANK AND CUSTOMER'S CONNECTING PIPES TO ELIMINATE EXCESSIVE LOADING ON TANK FLANGES.
3. DIMENSIONAL TOLERANCE ± 1/2".
4. ALL TANK FLANGES FURNISHED BY AFL ARE 150# FLAT FACE FLANGES.
5. ALL NOZZLE PROJECTIONS ARE 4" UNLESS NOTED OTHERWISE.
6. ALL FLANGE BOLT HOLE PATTERNS TO STRADDLE CENTERLINES.



SECTION "A" – "A"



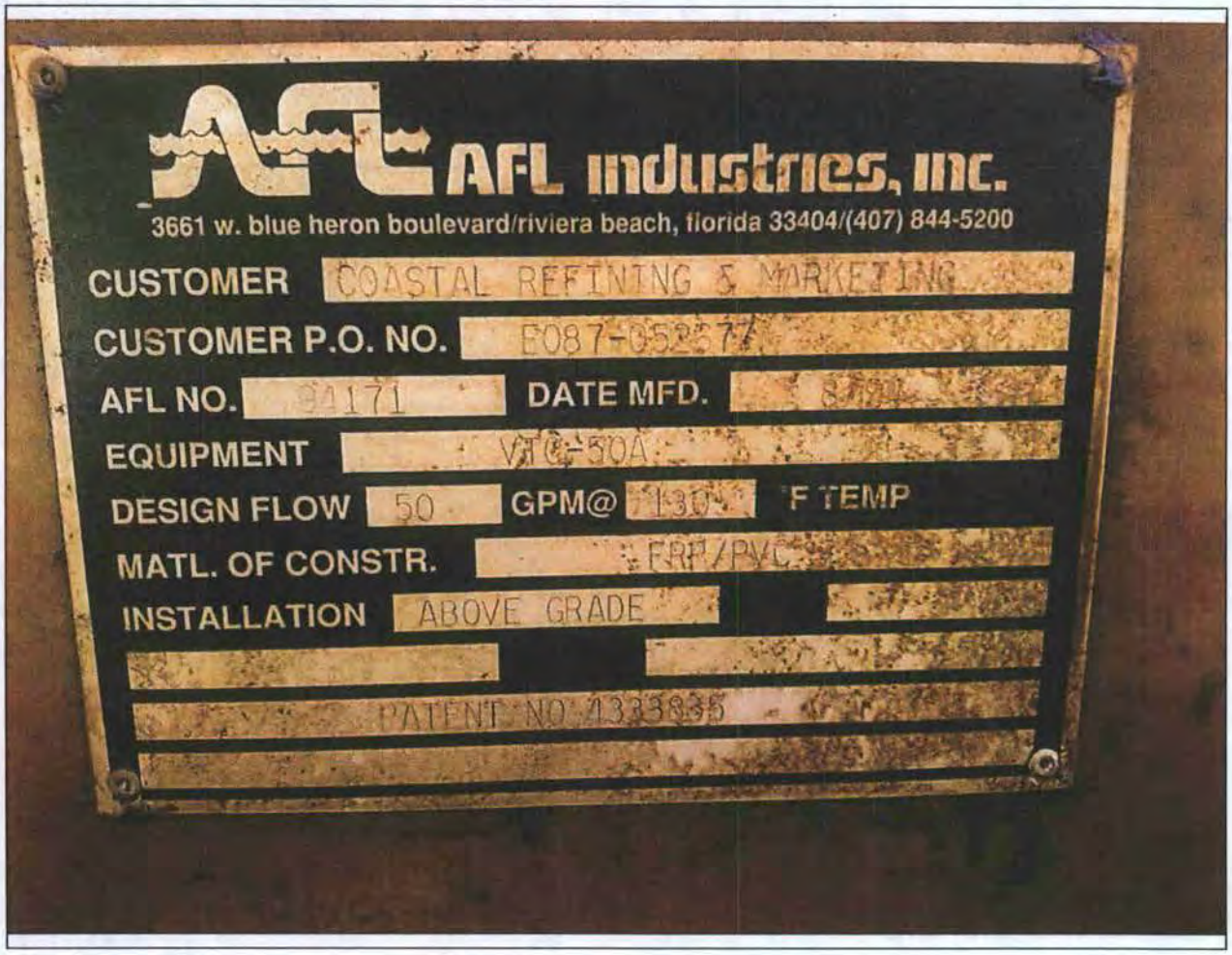
ELEVATION
OUTLET END

APPROX. UNIT WT: 650#

AFL INDUSTRIES, INC.
1751 WEST 10TH STREET, RIVIERA BEACH, FLA. 33404

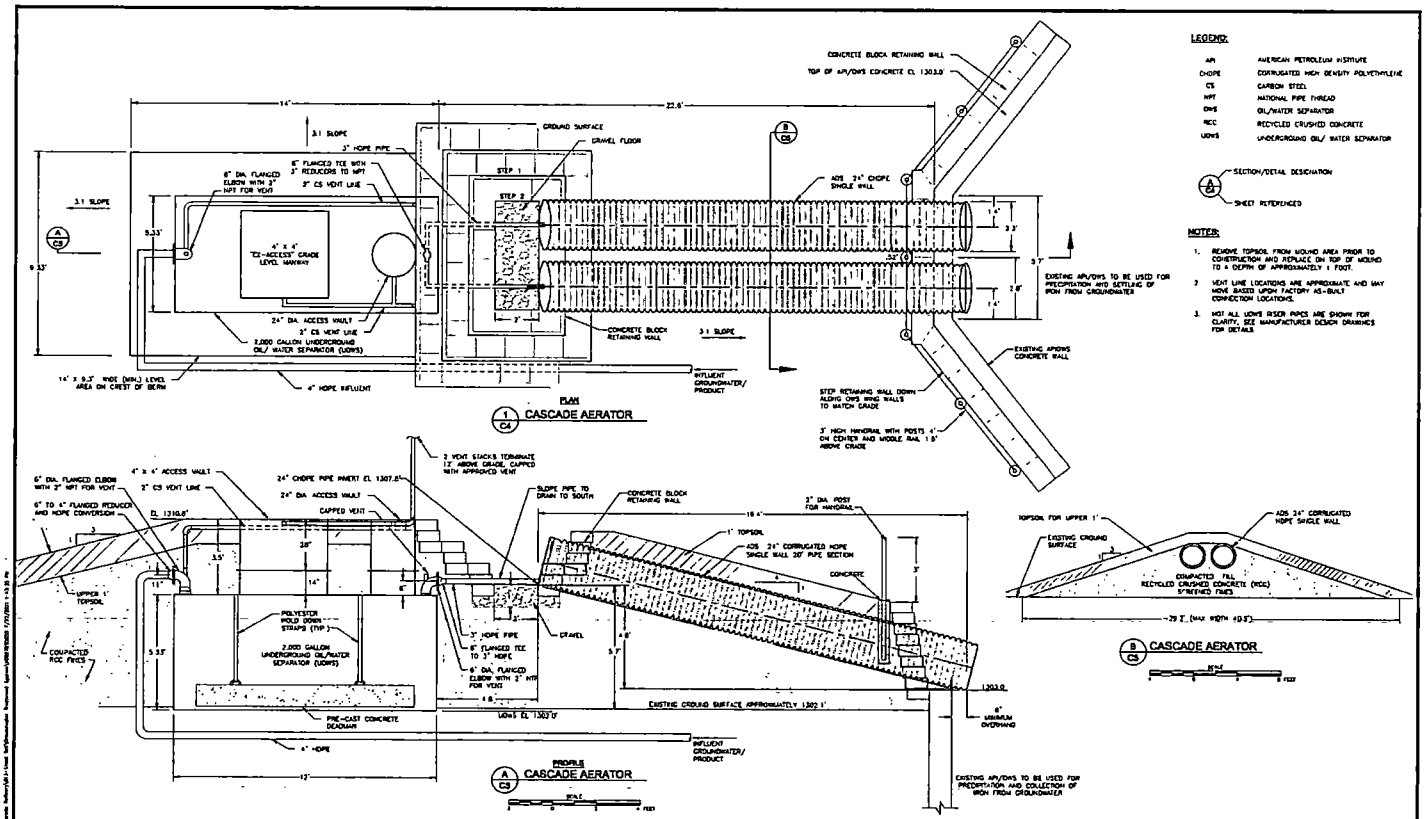
SCALE NONE		DRAWN BY TMB	
DATE 6/26/07			
VTC-50A		5204	
AFL INDUSTRIES		352586	

ENGINEERING A BETTER ENVIRONMENT



ATTACHMENT C

MWH



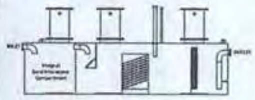
ATTACHMENT D

MWH

Pre-Engineered Design Options

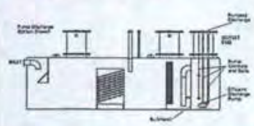
Series G

Oil/water separators feature an integral sand interceptor compartment to permit sand and gravel to settle out before the wastewater enters the oil/water separator.



Series J

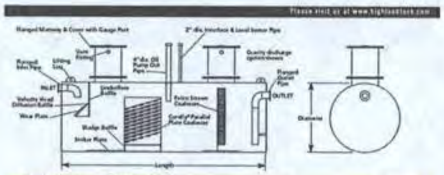
Oil/water separators have an integral effluent pump-out compartment with level controls. The pumped effluent can be routed through Highland's Advanced Filtration System to further reduce the oil content.



U.S. Patents - 4,722,800, 5,520,825 & 6,605,224
Canadian Patents - 1,325,179, 1,296,263 & 2,389,065

(UL) SU2215 Listed

Please visit us at www.highlandtank.com



Cylindrical Separator Sizing Guide

Model HTC or HT	Flow Rate Gal/Min	Total Volume Gallons	Recommended Oil Pump-out Gallons	Dimensions Diameter	Dimensions Length	Inlet & Outlet Diameter
350	35	350	70	3'-6"	6'-0"	4"
550	55	550	110	3'-6"	7'-9"	4"
1,000	100	1,000	200	4'-0"	10'-5"	6"
2,000	200	2,000	400	5'-4"	12'-0"	6"
3,000	300	3,000	600	5'-4"	18'-0"	8"
4,000	400	4,000	800	5'-4"	28'-8"	8"
5,000	500	5,000	1,000	6'-0"	23'-10"	8"
6,000	600	6,000	1,200	6'-0"	28'-8"	10"
7,000	700	7,000	1,400	7'-0"	24'-4"	10"
8,000	800	8,000	1,600	7'-0"	28'-0"	10"
9,000	900	9,000	1,800	8'-0"	24'-0"	12"
10,000	1,000	10,000	2,000	8'-0"	26'-8"	12"
12,000	1,200	12,000	2,400	8'-0"	32'-0"	12"
15,000	1,500	15,000	3,000	10'-0"	25'-6"	14"
20,000	2,000	20,000	4,000	10'-6"	31'-0"	16"
25,000	2,500	25,000	5,000	10'-6"	38'-9"	18"
30,000	3,000	30,000	6,000	10'-6"	46'-6"	20"
40,000	4,000	40,000	8,000	12'-0"	47'-6"	24"
50,000	5,000	50,000	10,000	12'-0"	59'-6"	24"
60,000	6,000	60,000	12,000	13'-0"	60'-6"	24"

Plate spacing and orientation may vary depending on site. Custom sizing is available.
Consult Highland Tank for Series G, J oil/water separator sizing guides

One Highland Road, Stoystown, PA 15563, 814-893-5701, FAX 893-6126
4535 Elizabethtown Road, Manheim, PA 17545, 717-664-0600, FAX 664-0617
958 19th Street, Watervliet, NY 12189, 518-273-0801, FAX 273-1365
2700 Patterson Street, Greensboro, NC 27407, 336-218-0801, FAX 218-1292
2225 Chestnut Street, Lebanon, PA 17042, 717-664-0602, FAX 664-0631
1510 Stoystown Road, Friedens, PA 15541, 814-443-6800, FAX 443-6522

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Cylindrical Oil/Water Separators

Unparalleled In Performance

Highland Tank

Highland Tank provides you with the strongest and most reliable oil/water separators in the industry.

Our separators are designed to remove oil, grease, light petroleum products, and oily coated solids from a variety of wastewater discharges. They are typically installed in industrial areas and receive oily wastewater generated during processes such as bulk petroleum storage and handling, aircraft and vehicle fueling, maintenance, washing, and environmental remediation of petroleum contaminated sites. The effluent from oil/water separators is typically discharged to either a storm or sanitary sewer system.

Our high-efficiency oil/water separators are recommended for a wide range of industrial applications, such as:

- Airports & Aircraft Services
- Electric Utilities and Power Plants
- Environmental Remediation
- Industrial Facilities
- Military & Government Facilities
- Municipalities
- Petroleum Production & Marketing Facilities
- Railroad Yards
- Transportation Companies

They are also located in vehicle service areas associated with each of these facilities:

- Fueling Facilities
- Repair and Maintenance Shops
- Wash Areas

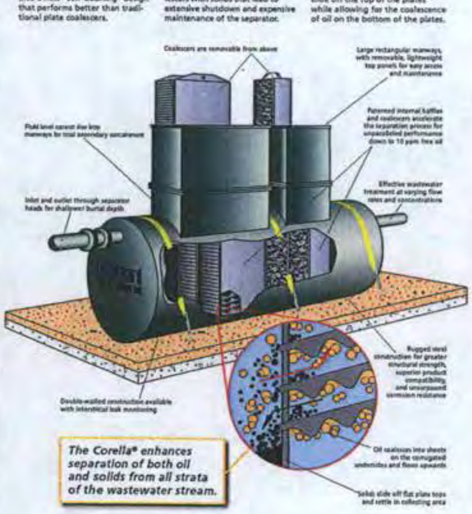
Highland oil/water separators set the standard for reliability. Our separators are highly efficient - treating wastewater under a wide range of conditions. Unlike other oil/water separators, they are easy to install, operate, and maintain.

Corella®, the Newest Advancement in Oil/Water Separation Technology

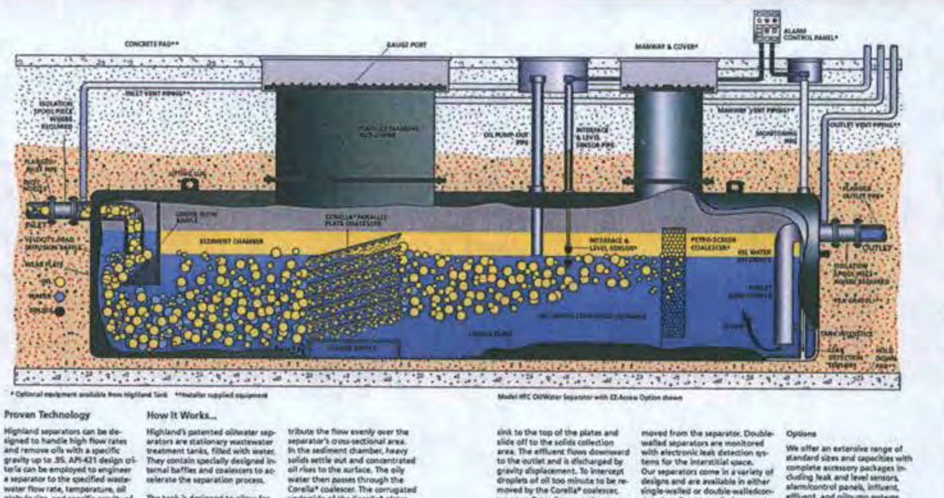
Highland's new Corella® is a remarkable product that combines the features of both a flat plate and a corrugated plate coalescer into a new "self-cleaning" design that performs better than traditional plate coalescers.

Why is Corella® important to an oil/water separator customer? The primary reason for oil/water separator failure is clogging of the coalescers with solids that lead to extensive shutdown and expensive maintenance of the separator.

The Corella® solves the problem of separator failure due to clogging because the plates are constructed and arranged to allow solids to slide off the top of the plates while allowing for the coalescence of oil on the bottom of the plates.



Cleaner, Safer, Smarter...



* Optional equipment available from Highland Tank **Installer supplied equipment

Model HTC Oil/Water Separator with EZ-Access Option shown

Proven Technology

Highland separators can be designed to handle high flow rates and remove oils with a specific gravity up to .95. API-421 design criteria can be employed to engineer a separator to the specified wastewater flow rate, temperature, oil globule size, and specific gravity of oil and wastewater. Effluent quality down to 10 ppm has been consistently demonstrated on our high performance Model HTC UL-SU2215 labeled oil/water separators.

How It Works...

Highland's patented oil/water separators are stationary wastewater treatment tanks, filled with water. They contain specially designed internal baffles and coalescers to accelerate the separation process.

The tank is designed to allow for convenient access for inspection and maintenance from above. Inlet flow is directed against the velocity head diffusion baffle to reduce flow turbulence and to distribute the flow evenly over the separator's cross-sectional area. In the sediment chamber, heavy solids settle out and concentrated oil rises to the surface. The oily water then passes through the Corella® coalescer. The corrugated underside of the Corella® plates causes the oil to coalesce into sheets. The oil globules then rise to the surface of the separation chamber, where the separated oil accumulates. Any remaining solids sink to the top of the plates and slide off to the solids collection area. The effluent flows downward to the outlet and is discharged by gravity displacement. To intercept droplets of oil too minute to be removed by the Corella® coalescer, we use a Petro-Screen polypropylene impingement coalescer (an encased bundle of layered oil-attracting fibers). Electronic oil level controls sound an alarm at high oil levels so that waste oil can be removed from the separator. Double-walled separators are monitored with electronic leak detection systems for the interstitial space. Our separators come in a variety of designs and are available in either single-walled or double-walledconstruction. Double-walled separators capture any potential leak in the interstitial space and with an electronic leak detection system, automatically provide an immediate warning to appropriate personnel.

Options

We offer an extensive range of standard sizes and capacities with complete accessory packages including leak and level sensors, alarm/control panels, influent, effluent, and oilpump systems.

Whether your oil/water separator application is for emergency spill control or high performance wastewatertreatment, Highland Tank has the product for you.

GENERAL SPECIFICATIONS

NO. REQ'D:(1)
CAPACITY: 2,000 GALLON
TYPE: HTC, HIGHGUARD, E-Z ACCESS, DOUBLE WALL
MATERIAL: MILD CARBON STEEL
FLOW RATE: 200 GPM

GAUGE:	INNER:	OUTER:
SHELL-	7 GA.	10 GA.
HEADS-	7 GA.	10 GA.

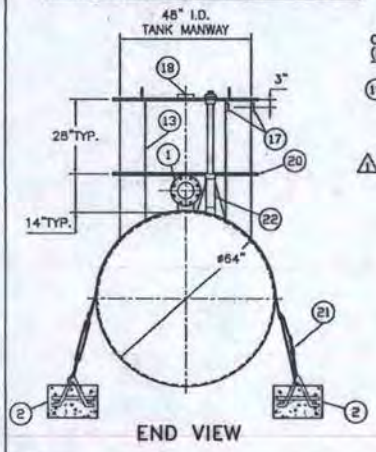
(BASED ON 60" MAX. BURIAL DEPTH)
SURFACE PREP: SP-6 BLAST ALL EXTERIOR SURFACES
SP-10 BLAST ALL INTERIOR SURFACES

COATING:	MATERIAL	THICKNESS
EXTERIOR-	HIGHGUARD	75 MILS
INTERIOR-	POLYURETHANE	12-15 MILS

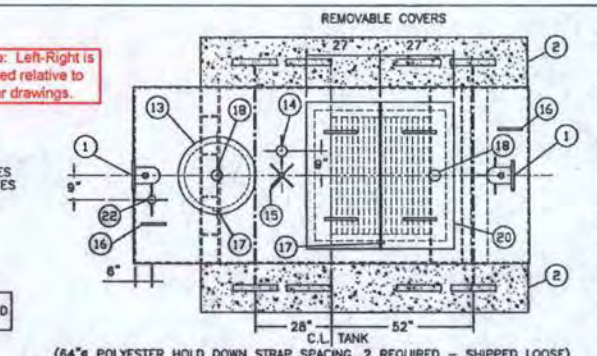
CONSTRUCTION : LAP FIT & WELD ALL EXTERIOR SEAMS
OPERATING PRESSURE- ATMOSPHERIC

NOTE:
GUSSETS ON RISER PIPES & ELBOWS PROVIDED AS NEEDED BY FABRICATION SHOP

Note: Left-Right is flipped relative to other drawings.

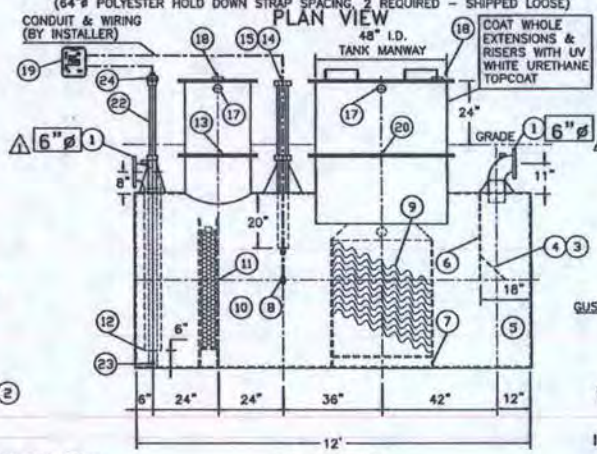


END VIEW

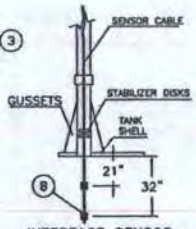


PLAN VIEW

(64"ø POLYESTER HOLD DOWN STRAP SPACING, 2 REQUIRED - SHIPPED LOOSE)



ELEVATION



INTERFACE SENSOR FLOAT POSITION
HTSF 2B-74E-63E/32

PROVIDED EQUIPMENT

1. 150# R.F.S.O. FLANGED ELBOW W/ 2" NPT FOR VENT
2. CONCRETE DEADMAN (CDA-15) (2) REQUIRED SHIPPED LOOSE
3. VELOCITY HEAD DIFFUSION BAFFLE
4. WEAR PLATE
5. SEDIMENT CHAMBER
6. UNDERFLOW BAFFLE
7. SLUDGE BAFFLE
8. TWO FLOAT LEVEL SENSOR W/ 40' CABLE
9. REMOVABLE PARALLEL CORRUGATED PLATE COALESCER CORELLA PVC PLATES (3" PLATE SPACING)
10. OIL/WATER SEPARATOR CHAMBER
11. 6" THICK COALESCER MATERIAL INSTALLED W/ PULL ROD SHIPPED LOOSE
12. OUTLET DOWNCOMER
13. 24" MANWAY WITH BOLT-ON EXTENSION SHIPPED LOOSE
14. 4"ø RISER PIPE WELDED INTO SHELL WITH 4" FTG. WELDED ON TOP, PVC INTERNAL PIPE INSTALLED & RISER PIPE SHIPPED LOOSE FOR OIL PUMP OUT
15. 2"ø RISER PIPE WELDED INTO SHELL WITH 2" FTG. WELDED ON TOP & RISER PIPE SHIPPED LOOSE FOR LEVEL SENSOR
16. LIFTING LUG
17. 2"ø NPT FTG. FOR VENT TYP. BOTH MANWAYS
18. 4"ø NPT FTG. FOR GAUGE WITH PLUG - TYP. BOTH MANWAYS
19. HT-A2-LD NEMA 4 ALARM PANEL (1PH-60HZ-120V)
20. E/Z ACCESS MANWAY WITH BOLT-ON EXTENSION SHIPPED LOOSE REMOVABLE COVERS WITH HANDLES PROVIDED
21. 64"ø POLYESTER HOLD DOWN STRAPS W/ GALVANIZED TB, WIRE ROPE & CLAMPS.
22. 2"ø RISER AND INTERNAL PIPE WELDED INTO SHELL WITH 2" FTG. WELDED ON TOP & RISER PIPE SHIPPED LOOSE FOR LEAK DETECTION
23. HTLP 1.5 LIQUID ONLY LEAK SENSOR W/ 16' OF CABLE
24. HTSC-2A PVC CAP FOR LEAK SENSOR

Fabrication Will NOT Begin
Until Highland Tank Receives
Approved Drawing
Drawing Approved By:

Date:

1 REV INLET/OUTLET TO TOP C.L., REV TO DOUBLE WALL	7/11/11	JFK

REVISIONS

Highland Tank

U.S. Patent $4,702,859 $4,801,224 Canadian Patent # 1,206,263 # 2,309,065

2000 GAL. O.W.S. HTC, EZ-ACCESS HIGHGUARD, DOUBLE WALL

CUSTOMER: MWH AMERICAN URBANDALE IA.

PROJECT: EL DORADO REFINERY

QUOTE NO: 278598 DWG'S BY:

SCALE: 3/8"=1'-0" DATE: 6/30/11 DWG. BY: JFK DWG. NO.: 75190

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE + OR - 1'

NOTE :
ALL RIGHTS RESERVED. THIS DRAWING OR ANY PART THEREOF MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF HIGHLAND TANK.
HIGHLAND TANK SHALL BE RESPONSIBLE ONLY FOR ITEMS INDICATED ON THIS FABRICATION DRAWING UNLESS OTHERWISE NOTED. CUSTOMER IS RESPONSIBLE FOR VERIFYING CORRECTNESS OF SIZE / LOCATION OF FITTINGS , ACCESSORIES & COATINGS SHOWN ON THIS DRAWING

Quote No.278593 Date: 7/12/2011
Highland Tank & Mfg. Co.

8:50:27 07/12/2011
Page 1 of 3
HTWAMS1.2

OIL WATER SEPARATOR QUOTE

Payment Terms: All orders subject to credit approval by Highland Tank.
A: 1% Disc. for full payment w/ approved dwg.
B: 2% Discount for full payment within 15 days.

(No discount on Freight or Taxes)
Estimated Delivery: 4 TO 6 WEEKS
from date of receipt of approved drawing if applicable.

TO: MWH AMERICAN
11153 AURORA AVE
URBANDALE IA
Attention: JEFFREY
Phone: 515-253-0830
Email: jeffrey.d.tegrotenhuis@mwhglobal.com

Freight To: (If different from above)
FOB STOYSTOWN PA

RE: EL DORADO REFINERY EZ ACCESS
DOUBLE WALL BUDGET ONLY**

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Model HTC 2000 Gallon HighGuard Oil Water Separator Application: UNDERGROUND Type: DOUBLE WALL TYPE I 360 Material: Mild Carbon Steel Diameter: 5'4" Length: 12' Steel Thickness Per UL 58 Standard. Flow Rate: 200 GPM Inlet: 6" Flanged Spool, Outlet: 6" Flanged Spool Oil Pump Out Mount: 4" NPT Level Sensor Mount: 2" NPT Vent Size: 2" Exterior Coating: HIGHGUARD COAT ENTIRE EXTENSION AND RISERS WITH UV WHITE URETHANE TOPCOAT WILL BE IN GRASSY AREA AND NO GRADE LEVELS ON TOP***		
1	Interior Polyurethane		
1	Warranty Pouch for HighGuard (Ship Loose) Please note: Highland HighGuard Tanks receive a 10-year limited warranty. Please contact one of the sales offices for pricing for additional warranty periods if desired.		
1	Polyurethane Exterior Touch Up Kit		
1	24" Dia. Manway w/28" Bolt On Extension (Ship Loose) ADDER PER FOOT IS 102.00 IF ORDERED AT SAME TIME AS OWS 14" COLLAR WELDED TO TANK		

Prices quoted valid for 30 days from date above

Representative:
KEVIN G. MILBOURN
WINDWARD MARKETING GROUP INC
9208 W 131ST TERRACE
OVERLAND PARK KS 66213
Phone: 913-685-9022

Quote No. 278593 Date 7/12/2011
ASHippey@HIGHLANDTANK.COM
Quoted By: AGNES SHIPPEY

Reply To: One Highland Road
Stoystown PA 15563
PH: 814-893-5701 FAX: 814-893-6126
www.highlandtank.com

Description, prices and conditions accepted. Please return one signed copy when placing order.

Accepted By: _____ Date: __/__/__
Per Highland Tank Standard Terms and Conditions.

Note: Orders will be invoiced thirty days after completion of fabrication if delivery has not been taken in that time period. A one-time handling fee of $850.00 will also be invoiced, along with a monthly storage fee equal to 1% of the invoice total. Storage charges can be avoided by paying for tank when it goes into storage. Please check with plant manager, storage area may not be available at all locations. A refurbishing fee may be charged for tanks stored for an extended period. Products are project-specific and are therefore subject to our no-cancellation policy. Ask for details.

Highland Tank & Mfg. Co.

OIL WATER SEPARATOR QUOTE

TO: MWH AMERICAN
11153 AURORA AVE

URBANDALE IA
Attention: JEFFREY
Phone: 515-253-0830
Email: jeffrey.d.tegrotenhuis@mwhglobal.com

Payment Terms: All orders subject to credit approval by Highland Tank.
A: 5% Disc. for full payment w/ approved dwg.
B: 2% Discount for full payment within 15 days.

(No discount on Freight or Taxes)
Estimated Delivery: 4 TO 6 WEEKS
From date of receipt of approved drawing if applicable.

RE: EL DORADO REFINERY EZ ACCESS
DOUBLE WALL BUDGET ONLY**

Freight To: (If different from above)

FOB
STOYSTOWN PA

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	INLET AND OUTLET IN SHELL OF OWS**		
1	EZ ACCESS" Manway w/28" Bolt On Extension (Ship Loose)		
	48" X 38" HIGH X 48" LONG		
	ADDER PER FOOT IS 625.00 IF		
	ORDERED AT SAME TIME AS OWS		
1	2" Level Sensor Pipe (Ship Loose)		
1	4" Pump Out Pipe (Ship Loose)		
1	LEAK DETECTION PIPE (Ship Loose)		
1	Coalescer (Installed)		
1	Pull Rod (Ship Loose)		
2	5'4" Polyester Holddown Strap w/Galvanized TB, wire rope, 2 clamps		
2	CONCRETE DEADMAN (CDA-15)		
	Deadman installations assume:		
	- Tank buried at least 36"		
	- Void area of one 24" access sump		
	- Certain Tank Sizes require an 8" Concrete Pad at grade over the tank (See Literature Chart)		
1	CC HT A2 LD ALARM PANEL NEMA 4		
	HI AND HI HI OIL LEVEL AND LEAK		
1	HTSF 2 Float Interface Sensor W/ 40FT OF CABLE		
1	(OWS)HTSC-2A PVC CAP FOR 2" SENSOR		
1	(OWS) HTLP 1.5" LIQUID ONLY SENSOR (w/16' of Cable)		
	HIGHLAND TANK IS QUOTING ONLY THE ITEM(S) SPECIFIED ABOVE.		
	NO ACCESSORIES OTHER THAN THOSE LISTED ARE INCLUDED.		
	THIS QUOTE DOES NOT INCLUDE ANY OTHER COMPONENT OR ACCESSORY UNLESS SPECIFICALLY LISTED.		
	**PLEASE CALL WITH UPDATES AND QUOTE WILL BE REVISED.		

Quote No. 278593 Date 7/12/2011
AShippey@HIGHLANDTANK.COM
Quoted By: AGNES SHIPPEY

Prices quoted valid for 20 days from date above

Representative:
KEVIN G. MILBOURN
WINDWARD MARKETING GROUP INC
9208 W 131ST TERRACE
OVERLAND PARK KS 66213
Phone: 913-685-9022

Description, prices and conditions accepted. Please return one signed copy when placing order.

Accepted By: _____ Date: ___/___/___
Per Highland Tank Standard Terms and Conditions.

Reply To: One Highland Road
Stoystown PA 15563
PH: 814-893-5701 FAX: 814-893-6126
www.highlandtank.com

Note: Orders will be invoiced thirty days after completion of fabrication if delivery has not been taken in that time period. A one-time handling fee of $250.00 will also be invoiced, along with a monthly storage fee equal to 1% of the invoice total. Storage charges can be avoided by paying for tank when it goes into storage. Please check with plant manager, storage area may not be available at all locations. A refurbishing fee may be charged for tanks stored for an extended period. Products are project-specific and are therefore subject to our no-cancellation policy. Ask for details.

Highland Tank & Mfg. Co.

OIL WATER SEPARATOR QUOTE

TO: MWH AMERICAN
11153 AURORA AVE

URBANDALE IA
Attention: JEFFREY
Phone: 515-253-0830
Email: jeffrey.d.tegrotenhuis@mwhglobal.com

Payment Terms: All orders subject to credit approval by Highland Tank.
A: 5% Disc. for full payment w/ approved dwg.
B: 2% Discount for full payment within 15 days.

(No discount on Freight or Taxes)
Estimated Delivery: 4 TO 6 WEEKS
From date of receipt of approved drawing if applicable.

RE: EL DORADO REFINERY EZ ACCESS
DOUBLE WALL BUDGET ONLY**

Freight To: (If different from above)

FOB
STOYSTOWN PA

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	FREIGHT IS NOT INCLUDED		
	Net Price (Excluding Taxes)		27,670.00

Quote No. 278593 Date 7/12/2011
AShippey@HIGHLANDTANK.COM
Quoted By: AGNES SHIPPEY

Prices quoted valid for 20 days from date above

Representative:
KEVIN G. MILBOURN
WINDWARD MARKETING GROUP INC
9208 W 131ST TERRACE
OVERLAND PARK KS 66213
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Description, prices and conditions accepted. Please return one signed copy when placing order.

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Note: Orders will be invoiced thirty days after completion of fabrication if delivery has not been taken in that time period. A one-time handling fee of $250.00 will also be invoiced, along with a monthly storage fee equal to 1% of the invoice total. Storage charges can be avoided by paying for tank when it goes into storage. Please check with plant manager, storage area may not be available at all locations. A refurbishing fee may be charged for tanks stored for an extended period. Products are project-specific and are therefore subject to our no-cancellation policy. Ask for details.

Highland Tank *Technical Data Sheet - Internal Tank Lining*

Polyurethane Tank Lining

The Product and its Uses

A high performance protective coating with unique handling and performance characteristics, it is a two component, 1:1 format product that can be applied in one coat, without a primer, to an unlimited build. This coating is available with a choice of setting times ranging from 1 to 30 minutes and a choice of high build or low viscosity versions. It cures at sub-freezing temperatures and can be used with various equipment configurations.

Internal polyurethane is highly resistant to corrosion, abrasion, immersion, waterborne chemicals and cathodic disbondment. It contains absolutely no solvent, tar, styrenes or isocyanate monomers, to totally inert when cured and nonflammable. Polyurethane is environmentally friendly and extremely safe to use. End uses encompass applications where epoxies or coal tar polyurethanes might be used, but the applicator or specifier wishes to avoid the health and environmental hazards associated with these products. Specific applications include above and below ground storage tanks, oil/water separators as well as concrete structures.

Certifications and Quality Standards

- Underwriters Laboratories Certification - *Flammable and Combustable Liquid Tank Accessories - Components: UL 2215 - Outline of Investigation for Oil/Water Separators, for interior corrosion protectioncoatings for oil/water separators.*
- *Meets Green Seal Standard GS-11 for VOC and Chemical content*

Application Instructions

Contact Highland Tank for detailed application instructions

A. Surface Prepartion

1. Ensure that surface is clean, dry and uncontaminated. Proceed only if the substrate temperature is more than 3° C (5° F) above the dew point temperature during surface preparation and coating application.

2. Abrasive blast clean with sand or grit (G40 or coarser). DO NOT USE steel shot or non-angular media. For steel surfaces, blast to a Near White Blast (SSPC-SP10; NACE 2; SA 2.5):
   - minimum 2.5 mil (65 microns) profile for immersion;
   - minimum 2.0 mil (51 microns) profile for buried;
   - minimum 1.5 mil (38 microns) profile for atmospheric service. For concrete surfaces, abrasive blast to remove any laitance.

B. Application of Coating

1. Roll or agitate individual components thoroughly before use to disperse pigments and assure homogeneity. Do not thin.
   Do not mix "A" and "B" together.
2. Spray apply using a plural component, 1:1 mix ratio, heated airless spray unit.
3. Unlimited film thickness can be obtained in one continuous coating operation, using one of several techniques. Typical applied thickness is 15 mils (375 microns) as per SSPC PA2.
4. A second coat may be applied over the first, if it is applied within the recoat window. Otherwise, it may be necessary to roughen the surface to ensure good intercoat adhesion.
5. Allow coating to cure completely before putting into service. Follow decontamination procedure to remove any dirt and debris.

C. Clean-Up and Storage

1. This material will react with humidity and moisture. Keep containers tightly sealed and store upside down. For clean-up, use M.E.K. or a 50:50 blend of M.E K. and Xylol.
   Other solvents may react with product.
2. Store between 10° C (50° F) and 27° C (80° F). DO NOT FREEZE. Use product within 6 months of receiving.

Health and Safety

Internal Polyurethane Tank Lining is intended for industrial use only. It contains no monomeric isocyanates but may nevertheless cause respiratory distress in some people. Provide ample ventilation. Wear a fresh air respirator when using in confined areas or when spraying. Wear rubber gloves, safety goggles and protective clothing. If swallowed, DO NOT induce vomiting as this will cause additional throat irritation; contact physician. If splashed on skin, remove immediately with rubbing alcohol and then wash with soap and water. If splashed in eyes, wash liberally with clean water and contact physician; temporary irritation of eyes may last several days. Contains trace amounts of ingredients which may cause skin cancer following prolonged direct skin contact. Therefore commonly used skin protection is recommended. See MSDS for more information. The finished product is completely inert.

The information contained herein is believed to be accurate as of the date of publication. Highland Tank reserves the right to change product specifications without notice.

Chemical Resistance Information

Highland Internal Polyurethane Tank Lining is recommended for storing the solutions listed below. Highland offers an Epoxy Tank Lining suitable for most other applications.

Fresh Water
Distilled Water
De-ionized Water

Sewage (Waste Water)
Raw Sewage
Treated Effluent
Hydrogen Sulfide Gas

Salt Water
Sea Water
Brine

Acids
Sulfuric <20%
Hydorchloric <15%

Alkalies
Ammonium Hydroxide <20%
Potassium Hydroxide <10%
Potassium Hydroxide >10%
Sodium Hydroxide <10%
Soaps
Detergents
Calcium Chloride

Aliphatic Hydrocarbons
Crude Oil
Diesel
Kerosene
Fuel Oil #2, 4, & 6
Hydraulic Oils
Motor Oil

Typical Properties

Property	Test Description	Results
Solids, by volume	N/A	100%
VOC (Supplied and Sprayable)	N/A	Zero
Components	N/A	Two
Curing Mechanism	N/A	Chemical Reaction
Mix Ratio, by volume		1 : 1
Weight per mixed gallon	N/A	9.6 lbs/gallon (4.3 kg/gallon)
Theoretical Coverage	N/A	1604 sq. ft. per gallon per mil (149 sq. m/gallon per mil)
Primer Required		None Required
Application Temperature Range	N/A	35° F - 120° F (2° C - 49° C)
Recommended Thickness	N/A	15 mil minimum
Adhesion to steel (SP10; 2.5 Mil)	N/A	2000 +/- 200 p.s.i.
Hardness	ASTM D-2240	77 Shore D
Tensile Strength	ASTM D 638	5500 psi (38 mpa)
Flexibility	ASTM D-522	180° bend over 1" mandrel @ 15 mils
Impact Strength	ASTM G - 14	>30 in. lbs.
Abrasion Resistance	ASTM D-4060	60 mg loss (C17, 1 kg, 1000 cycles)
Chemical Resistance	ASTM D-543	See chemical resistance chart
Cathodic Disbondment	ASTM G-8	Excellent, <8 mm radius
Cure to the Touch	N/A	3 - 5 minutes @ 77° F / 25° C
Cure to Handle	N/A	15 - 20 minutes @ 77° F / 25° C
Time to Recoat	N/A	15 - 20 minutes @ 77° F / 25° C
Service Temperature	ASTM D-870	-40° C (-40° F) to 49° C (120° F) Wet
Colors		20 Stock choices, custom colors available

NOTE: All statements, technical information and recommendations contained herein are typical of results obtained under laboratoti - Tank.

Please visit us at www.highlandtank.com

One Highland Road
Stoystown, PA 15563
814-893-5701
FAX 893-6126

4535 Elizabethtown Road
Manheim, PA 17545
717-664-0600
FAX 664-0617

958 19th Street
Watervliet, NY 12189
518-273-0801
FAX 273-1365

2700 Patterson Street
Greensboro, NC 27407
336-218-0801
FAX 218-1292

2225 Chestnut Street
Lebanon, PA 17042
717-664-0602
FAX 664-0631

1510 Stoystown Road
Friedens, PA 15541
814-443-6800
FAX 444-8662

© Highland Tank - HT-5000 - 9/06

Grade Level Manways

All Highland Grade Level Manways are H-20 Rated!

Highland Tank®

Grade Level Manways
Highland Tank Grade Level Manways (GLM) are designed to AASHTO HS20-44 requirements.

Round GLMs are manufactured in eight (8) standard sizes ranging from 12" to 48" diameter. Custom diameters and depths are available upon request.

Rectangular GLMs are based on a modular design and custom fabricated to site-specific requirements. Designed around a 1-5 door configuration, rectangular GLMs are available in widths from 48" to 72" and lengths from 48" to 150" in 6" increments. For example, a 48" by 90" rectangular GLM would have 3 doors or lids.

Each manway is constructed using A36 steel plate from 10 ga to 1/4" thick. Standard manways are fabricated with a 12" skirt depth. Each GLM is fitted with 1.5" x 2" x 3" steel concrete anchors seal welded to the manway skirt to ensure a secure installation. Standard manway lids are constructed of 3/8" reinforced checkered steel plate. Optional 3/8" checkered plate reinforced aluminum lids are available.

Steel components receive a brush blast and are coated with black enamel paint. Optional polyurethane or epoxy coatings are available.

Highland Polyester Hold Down Straps

The World's Easiest Hold Down Strap System!

Highland Tank®

Highland Tank
Polyester Hold-down Straps
The latest tank innovation from the nation's leading manufacturer - Highland Tank. Polyester Straps are designed to help secure tanks underground in areas having ground water.

Strap liners are not needed! If installed correctly, there are not any metallic components in the strap system that can make contact with the tank.

Hold-down Straps are made from 100% polyester webbing. Highland's Polyester Straps are fabricated with a large reinforced loop at each end for securing your underground cylindrical storage vessel. Included with each strap is a length of 1/2" diameter wire rope and three cable clamps for attaching the strap to one side of your concrete anchoring system. A turnbuckle is used for attaching the strap to the anchoring on the other side of the tank.

Tank installation instructions should be referenced for specific strap requirements.

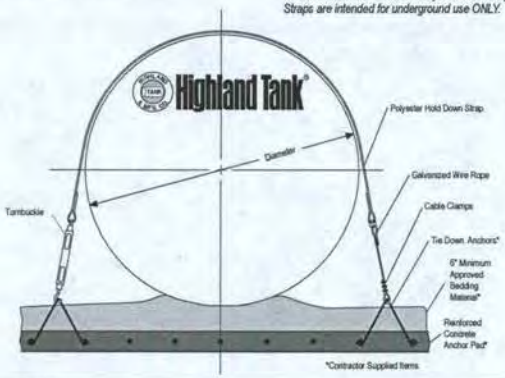
Installations Instructions

- Open turnbuckle the whole way.
- Lay polyester strap over tank.
- Attach one end of turnbuckle to loop of polyester strap.
- Attach other end of turnbuckle through tie-down anchor (by contractor) on one side of tank.
- Go to other side of tank.
- Wrap 1/2" wire rope attached to the other end of the polyester strap through the tie-down anchor (by contractor).
- Pull rope tight. Insert thimble at wire rope and tie-down juncture. Secure wire rope with (3) supplied cable clamps.
- Go back to turnbuckle side of vessel.
- Tighten turnbuckle to secure tank.
- After taking up slack in the polyester strap, tighten turnbuckle an additional 2".

These straps are designed for and must be used in a system that has adequately sized concrete anchoring to counteract the tank's natural buoyant forces. Polyester Straps are intended for underground use ONLY.

Tank Dia.	Turn-Buckle Dia.	Strap Length
3'2"	3/4"	73"
4'0"	3/4"	89"
5'4"	1-1/4"	124"
6'0"	1-1/4"	137"
7'0"	1-1/4"	172"
8'0"	1-1/4"	194"
10'0"	1-1/4"	242"

Hold-Down Straps for tanks larger than 10'0" diameter are available. Please contact Highland at one of the locations listed below.



Please visit us at www.highlandtank.com

One Highland Road
Stoystown, PA 15563
814-893-5701
FAX 893-6126

4535 Elizabethtown Road
Manheim, PA 17545
717-664-0600
FAX 664-0617

958 19th Street
Watervliet, NY 12189
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FAX 273-1365

2700 Patterson Street
Greensboro, NC 27407
336-218-0801
FAX 218-1292

2225 Chestnut Street
Lebanon, PA 17042
717-664-0602
FAX 664-0631

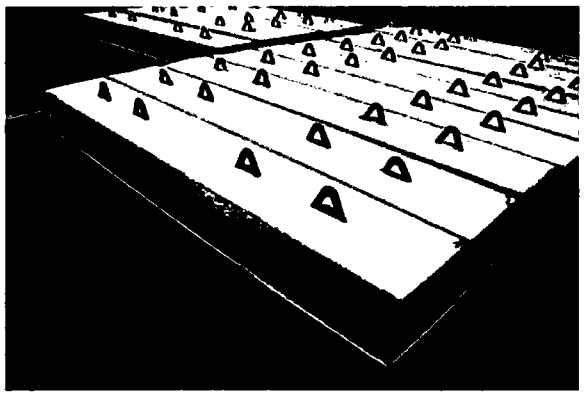
1510 Stoystown Road
Friedens, PA 15541
814-443-6800
FAX 444-8662

© Highland Tank – HT-1091 - 1/07

Concrete Deadman Anchors

Economical and Effective Anchoring

Highland Tank®



Concrete Deadman Anchors

Highland adds to it's product offering - now delivering pre-fabricated Concrete Deadman Anchors (CDA) along with our high-quality steel storage tank and wastewater products.

Highland has pre-engineered a concrete deadman anchor that works with our standard horizontal underground UL-58 tanks from 500 to 30,000 gallons. A limited number of sizes require the installation of an 8" concrete pad (as recommended by PEI) at grade over the tank.

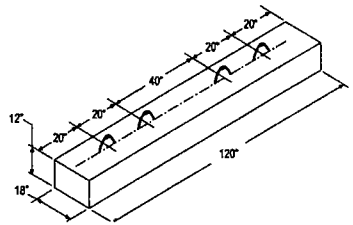
The Model HT-CDA-15 deadman anchor measures 120" long, 18" wide and 12" high with volume of 15 cubic feet. All deaman anchors employ a 4,000 psi concrete mix and are reinforced using #4 rebar. Model HT-CDA-15 deadman weigh approximately 4,350 pounds when delivered.

Concrete Deadman Anchors can also be used with Highland's standard Oil/Water Separators sizes.

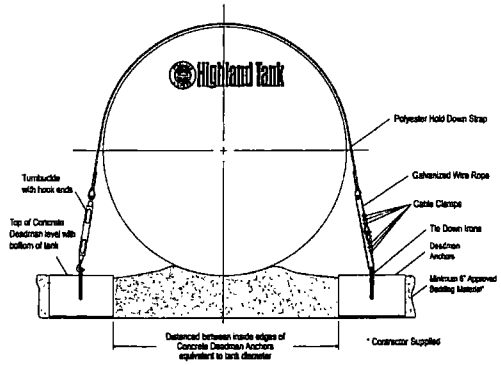
The deadman application requirements assumes tanks are buried at least 36" deep and at least one sump is installed. They are designed to work exclusively with Highland's Polyester Hold Down Straps. If your requirements are different, please forward details of the application to our engineering group who will perform an evaluation of the intended installation.

Best of all - there is no delivery charge for Concrete Deadman Anchors when they ship with a Highland storage tank or oil/water separator on the same truck.

General Arrangement



The diagram at right depicts a typical installation that employs Highland's Polyester Hold Down Straps and Concrete Deadman Anchors. Steel cable and cable clamps are shown to illustrate one method of connecting the straps to the concrete deadman anchors. Other methods are readily available and should be specified by a licensed professional engineer.



Tank Size	Diameter	Length	No. Deadmen Required	No. Straps Required
500	4'0"	5'5"	2	2
1,000	4'0"	10'9"	2	2
1,000	5'4"	6'0"	2	2
1,500	5'4"	9'0"	2	2
2,000	5'4"	12'0"	2	2
2,500	5'4"	15'0"	2	2
3,000	5'4"	18'0"	2	2
4,000	5'4"	24'0"	2	2
4,000	6'0"	19'0"	4	4
4,000	8'0"	10'8"	2	2
5,000	6'0"	23'10"	4	4
5,000	8'0"	13'4"	2	2
6,000	6'0"	28'8"	6	6
6,000	8'0"	16'0"	2	2
8,000	8'0"	21'4"	4	4
*8,000	10'0"	14'0"	2	2
10,000	8'0"	26'8"	6	6
*10,000	10'0"	17'0"	4	4
12,000	8'0"	32'0"	6	6
*12,000	10'0"	20'6"	4	4
15,000	8'0"	40'0"	8	8
*15,000	10'0"	25'6"	4	4
*20,000	10'0"	34'0"	6	6
*20,000	10'6"	31'0"	6	6
*25,000	10'6"	38'9"	8	8
*30,000	10'6"	46'0"	10	10

*Deadman Anchors can be used on these sizes provided the installation includes an 8" concrete pad (as recommended by PEI) at grade over the tank.
All calculations assume tanks are buried at least 36" deep,have at least one sump is installed and will be installed exclusively with Highland's Polyester Hold Down Straps.

Please visit us at www.highlandtank.com

One Highland Road
Stoystown, PA 15563
814-893-5701
FAX 893-6126

4535 Elizabethtown Road
Manheim, PA 17545
717-664-0600
FAX 664-0617

958 19th Street
Watervliet, NY 12189
518-273-0801
FAX 273-1365

2700 Patterson Street
Greensboro, NC 27407
336-218-0801
FAX 218-1292

2225 Chestnut Street
Lebanon, PA 17042
717-664-0602
FAX 664-0631

1510 Stoystown Road
Friedens, PA 15541
814-443-6800
FAX 444-8662

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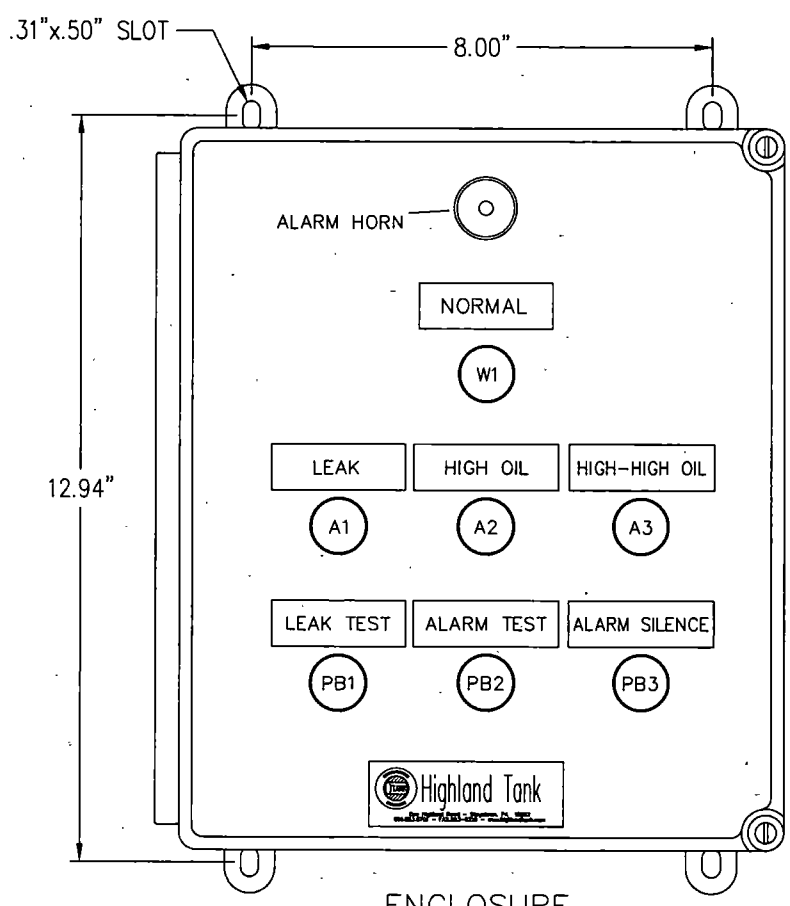
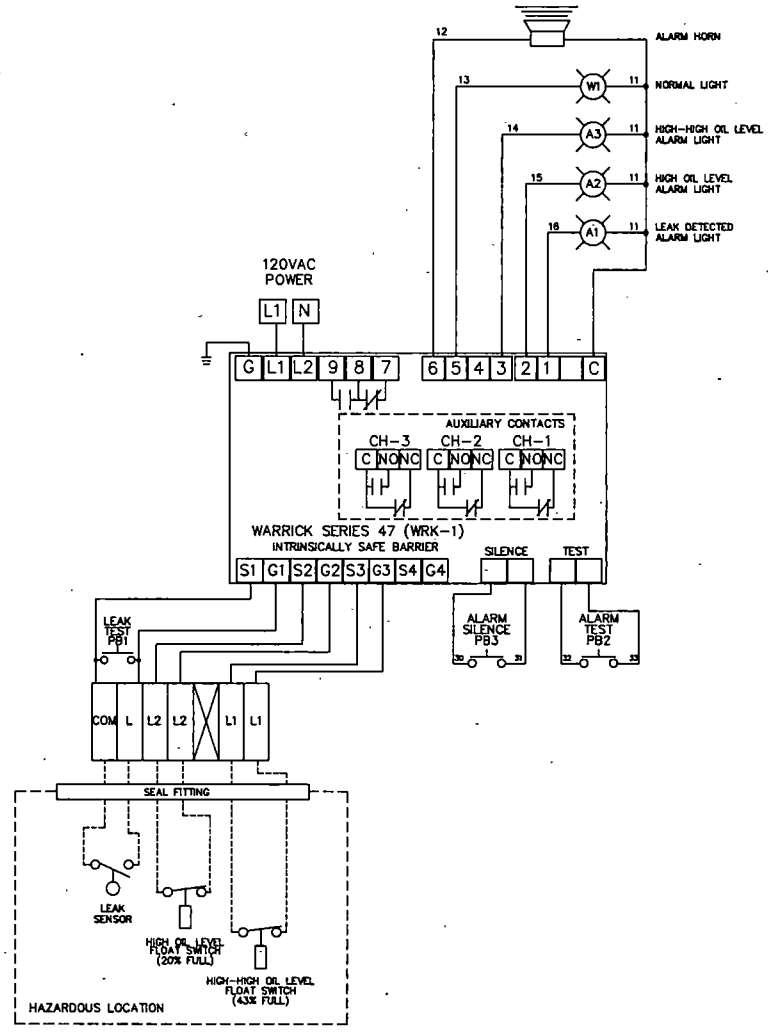


ENCLOSURE
(12"x 10"x 6")
NEMA 4X FIBERGLASS



NOTE:
1. OIL FLOATS SINK IN OIL (CONTACTS CLOSE) AND RISE IN WATER (CONTACTS OPEN)
2. AFTER OIL PUMP OUT, FILL OIL/WATER SEPARATOR WITH WATER

REV	DESCRIPTION	DATE	APPROVED
0	SUBMITTAL	00/00/00	BJH

HIGHLAND TANK & MFG. CO.
STOYSTOWN, PENNSYLVANIA

TITLE: HIGH OIL, HIGH-HIGH OIL LEVEL, & LEAK DETECTION ALARM PANEL WITH AUX. CONTACTS

HIGHLAND QT#: N/A | WAGNERS QT#: N/A | DRAWN BY: RH | SCALE: NONE | DRAWING NUMBER: CC-HT-A2-LD
HIGHLAND W/O#: #### | ESTIMATOR: - - - - | DATE: 00/00/00 | JOB NO. #### | SHEET 1 OF 4

HT-####

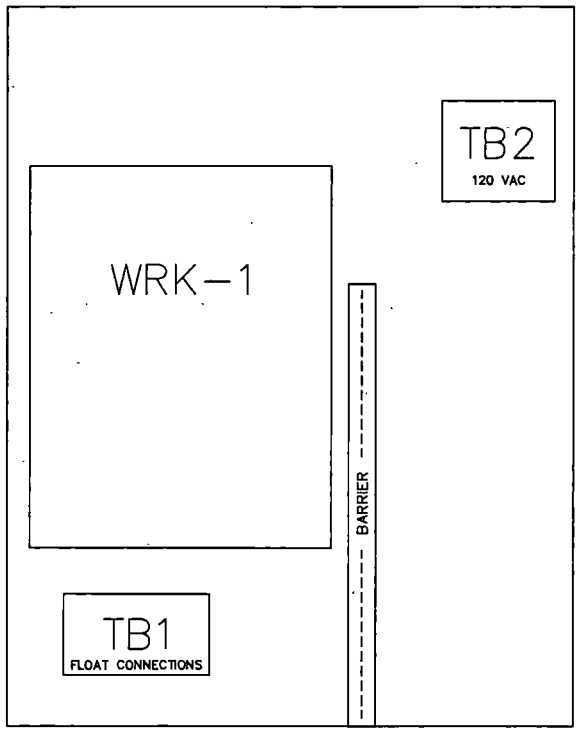
REV	DESCRIPTION	DATE	APPROVED
0	SUBMITTAL	00/00/00	BJH

HIGHLAND TANK & MFG. CO.
STOYSTOWN, PENNSYLVANIA

TITLE: HIGH OIL, HIGH-HIGH OIL LEVEL, & LEAK DETECTION ALARM PANEL WITH AUX. CONTACTS

HIGHLAND QT#: N/A | WAGNERS QT#: N/A | DRAWN BY: RH | SCALE: NONE | DRAWING NUMBER: CC-HT-A2-LD
HIGHLAND W/O#: #### | ESTIMATOR: - - - - | DATE: 00/00/00 | JOB NO. #### | SHEET 2 OF 4

HT-####



BACK PANEL

REV	DESCRIPTION	DATE	APPROVED
0	SUBMITTAL	##/##/##	BJH

HIGHLAND QT#: N/A
HIGHLAND W/O#: ####
WAGNERS QT#: N/A
ESTIMATOR: - - - -

HIGHLAND TANK & MFG. CO.
STOYSTOWN, PENNSYLVANIA

TITLE: HIGH OIL, HIGH-HIGH OIL LEVEL, & LEAK DETECTION ALARM PANEL WITH AUX. CONTACTS

DRAWN BY: RH
DATE: ##/##/##
SCALE: NONE
JOB NO.: ####
DRAWING NUMBER: CC-HT-A2-LD
SHEET 3 OF 4

HT-####

MATERIAL LIST WC-####

QUANTITY	PART NUMBER	DESCRIPTION
CUTLER HAMMER		
3	E22PB1A	Push Button Assembly, 1-N.O.
1	E22HV5X8	Pilot Light Assembly, white
3	E22HV9X8	Pilot Light Assembly, amber
6	C381TP	Terminal Block
HOFFMAN		
1	A-12106CHSCFG	Enclosure, NEMA 4X, Fiberglass, (12x10x6)
1	A-12P10	Back Panel
AD/DC		
1	MW-09-201-QG	Alarm Horn
WARRICK		
1	47D1A1A3	Intrinsically Safe Controller
BUSSMANN		
1	NDN111	Terminal Blocks

REV	DESCRIPTION	DATE	APPROVED
0	SUBMITTAL	##/##/##	BJH

HIGHLAND QT#: N/A
HIGHLAND W/O#: ####
WAGNERS QT#: N/A
ESTIMATOR: - - - -

HIGHLAND TANK & MFG. CO.
STOYSTOWN, PENNSYLVANIA

TITLE: HIGH OIL, HIGH-HIGH OIL LEVEL, & LEAK DETECTION ALARM PANEL WITH AUX. CONTACTS

DRAWN BY: RH
DATE: ##/##/##
SCALE: NONE
JOB NO.: ####
DRAWING NUMBER: CC-HT-A2-LD
SHEET 4 OF 4

HT-####

Series HTLP 1.5
1 1/2" LIQUID LEAK SENSOR

Highland Tank

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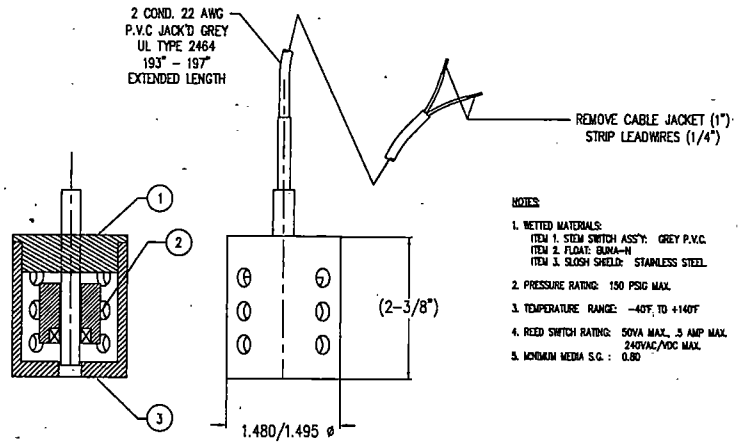
814-893-5701 - Fax 893-6126
www.Highlandtank.com
email: staff @ highlandtank.com

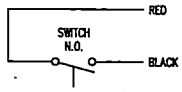


NOTES:

1. WETTED MATERIALS:
   ITEM 1. STEM SWITCH ASS'Y: GREY P.V.C.
   ITEM 2. FLOAT: BUNA-N
   ITEM 3. SLOSH SHIELD: STAINLESS STEEL
2. PRESSURE RATING: 150 PSIG MAX.
3. TEMPERATURE RANGE: -40°F. TO +140°F
4. REED SWITCH RATING: 50VA MAX., .5 AMP MAX. 240VAC/VDC MAX.
5. MINIMUM MEDIA S.G. : 0.80

WIRING DIAGRAM

NORMALLY OPEN "DRY"



3	1	0775C1832-0001	SLOSH SHIELD - 1.50# MAX	SS
2	1	2010-1010-0013	1010 FLOAT ASS'Y	BUNA-N
1	1	5000C1832-0001	STEM/SWITCH ASS'Y	PVC

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Series HTSC-2A
PVC CAP

Highland Tank

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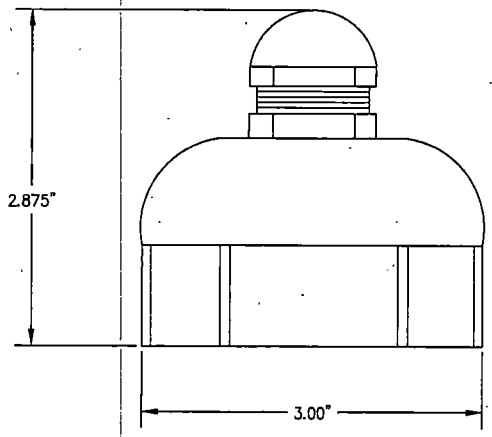
www.Highlandtank.com
email: staff @ highlandtank.com

CONDUIT CAP FOR LEAK DETECTION SENSOR



SPECIFICATIONS:
MATERIAL: SCHEDULE 80 PVC
2" NPT FEMALE

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ATTACHMENT E

MWH

Steel Tank Institute

URETHANE COATED STEEL
UNDERGROUND STORAGE TANKS

ACT-100-U

R971

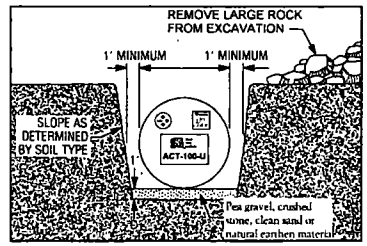
INSTALLATION INSTRUCTIONS

JUNE 2010

1.0 EXCAVATION AND BEDDING

1.1 The bottom of the excavation shall be covered with a minimum of 12 inches (305 mm) of bedding, suitably graded and leveled. Bedding and backfill material surrounding the tank, to a width and depth of 12 inches (305 mm) all around the tank, shall be clean material.

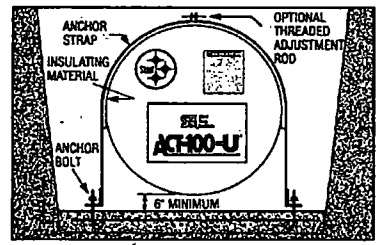
1.2 Where anchoring by means of a concrete pad, the tank shall not be placed directly on the pad. Bedding material at least 6 inches (152.4 mm) deep must be spread evenly over the dimensions of the pad to separate the tank from the pad.



1.3 Bedding and backfill material shall consist of homogenous pea gravel, crushed stone, clean sand or natural earthen materials. Crushed stone, clean sand and natural earthen materials shall be capable of passing 100% through a 1/2 inch (13 mm) sieve and no more than 12% by dry weight through a #200 sieve (0.0029 inch (0.0754 mm)). Pea gravel shall be no larger than 3/4-inch (19 mm). The materials shall be free of all foreign materials, such as but not limited to, bricks, metals, concrete and plastics.

1.4 The backfill material may be from the tank site if it meets this description, or it may be delivered to the site from another source.

1.5 Sand or natural earthen materials used as backfill shall be placed into the excavation in 12-18 inch (305-458 mm) vertical lifts, compacted after each lift, at least 60% up the vertical height of the tank.



1.6 If earthen material from the site, or other earthen material, is to be used as bedding or backfill material, a minimum of four 1 cu.ft. samples shall be taken from different locations which are representative of the backfill material and the site. Samples shall be sieved to determine if the material complies with this specification.

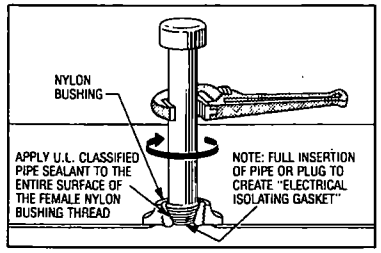
1.7 In a tidal area, the tank "bedding" material shall be crushed stone or pea gravel. Sand and natural earthen material may be used only if measures are taken to prevent washout of material during the design life of the system.

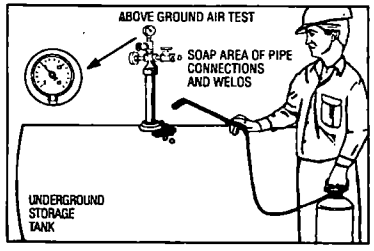
2.0 AIR TEST AT JOB SITE

2.1 The temporary plugs and thread protectors installed by the manufacturer shall be removed. Apply compatible, non-hardening pipe sealant to internal bushing threads. Permanent metal plugs shall be installed at all unused openings.

2.2 The nylon bushings in the tanks shall not be removed from the unused openings. Plugs used to temporarily seal the tank for the aboveground air test, but later removed for pipe installation, shall not be over-tightened. Do not cross thread or damage the nylon bushings when replacing plugs or installing required tank piping.

2.3 Test pressure shall be maintained at, but not exceed, 5 psig (34.5 kPa) while a soap solution is applied to the area of pipe connections and welds.





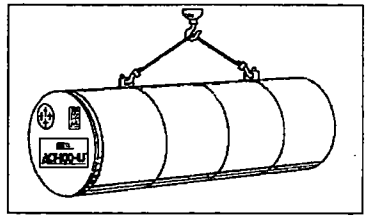
2.4 Dual wall tanks will require different air pressure testing procedures. Do not connect a high pressure air line directly to the interstitial monitoring port. A factory applied vacuum within the interstitial space can be used in lieu of, or in addition to, the air test procedure. Consult tank fabricator for air test recommendations. Do not apply a vacuum to the primary tank or a single wall tank. PEI/RP 100-00 also provides guidelines.

2.5 Take necessary safety precautions during air tests. Do not leave tanks unattended while under pressure. Avoid standing at the head of the tank, especially while applying air pressure. Use an air-pressure relief valve.

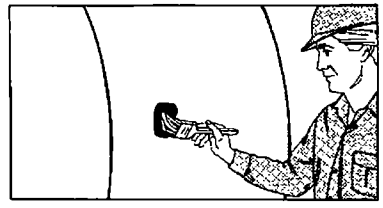
3.0 TANK INSPECTION

3.1 This tank is shipped with protective material attached. This material must remain on the tank and shall not be removed. Before placing the tank in the excavation, all dirt clods and similar foreign matter shall be cleaned from the surface of the tank. Set the tank on the ground such that the protective material is between the tank and the ground.

3.2 Visually inspect the tank for damage. Pay particular attention to areas where cladding has been gouged or abraded. Mark all areas which appear damaged for repair. Any section of the cladding, which has been damaged beyond the surface of the cladding, shall either be repaired or spark tested. Spark testing shall be done with a holiday detector set at a minimum 10,000 volts.



3.3 Coat all holidays, damaged cladding, and/or exposed steel surfaces using touch-up kit furnished by tank supplier. Follow manufacturer's instructions for mixing and application of resin. (See Section 9 for touch-up procedures.) All holidays shall be re-tested at 10,000 volts.



4.0* TANK HANDLING & PREPARATION

4.1 Controlled off-loading of the tank shall be allowed.

4.2 Equipment to lift the tank shall be of adequate size to lift and lower the tank without dragging or dropping to prevent damage to the tank or the coating.

4.3 Tank shall be carefully lifted and lowered off of the truck and into the excavation hole by use of cables or chains of adequate length attached to the lifting lugs provided. A spreader bar should be used where necessary. Under no circumstances shall chains or wire rope slings be used around the tank shell.

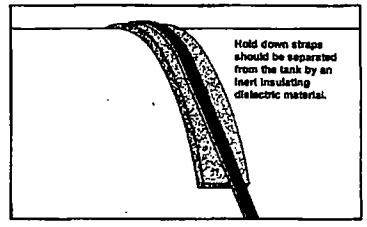
4.4* Follow label instructions including those at tank openings.

4.5 * This tank requires venting. Refer to applicable local codes and PEI RP-100 for proper installation.

5.0 ANCHORING

5.1 High water tables or partially flooded excavation sites exert significant buoyant forces on tanks. Buoyant forces are partially resisted by the weight of the tank, the backfill and the pavement atop the tank. Additional buoyant restraint when required, shall be obtained by using properly designed hold-down straps in conjunction with concrete hold-down pads or deadman anchors. The use of steel cable or round bar as hold-down straps is prohibited.

5.2 If a metallic hold-down strap is used, a pad of inert insulating di-electric material must be used to insulate the hold-down strap from the tank. The separating pad shall be wider than the hold-down

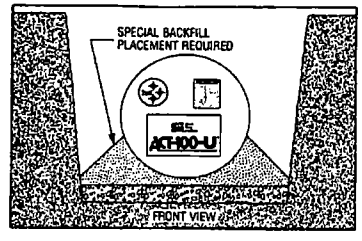


straps, which will prevent direct contact between the straps and the tank shell. This pad is not required if the hold-down strap is fabricated from non-conductive material.

5.3 Ballasting the tank may be necessary. When water is used as the ballast material, it shall only be potable water and shall not remain in the tank longer than 60 days. During construction, adequately vent all tank spaces. If product is used as ballast, proper precautions must be taken to prevent fires, spills, leaks, and other associated accidents. Monitor product level frequently to ensure there has been no unaccounted loss of product. Do not over tighten hold-down straps beyond snug and do not re-tighten hold-down straps after ballasting.

6.0 BACKFILL

6.1 Homogeneous backfill material similar to the



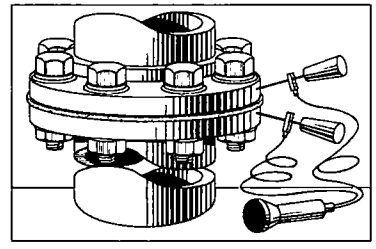
bedding material shall be carefully placed around the entire tank to create a uniform homogeneous environment. Avoid damage to cladding especially where tamping is required.

6.2 Installing and tamping backfill along the bottom sides of the tank shall ensure that the tank is fully and evenly supported around the bottom quadrant.

7.0 ELECTRICAL ISOLATION

7.1 All openings shall be isolated where electrical accessories will be installed such as submersible pump, monitoring equipment and all other grounded electrical devices.

7.1.1 Prior to backfilling over top of tank, all openings shall be visually inspected to assure that the di-electric isolation (nylon bushings or flange gaskets), where furnished, remain in place. Where flanged openings have been used, isolation of the flange gaskets shall be confirmed with a continuity tester. Contact with the tank shall be made with the inside of the tank, or possibly at the lift lug, if steel is exposed, prior to application of the lift lug cover. No current shall pass through the factory installed flanged gaskets. Isolation of the fittings is required to assure tank integrity.



7.2 If the tank is to be installed in the presence of an impressed current system, the effect of the system must be considered on the ACT-100-U®. The corrosion consultant must consider including the ACT-100-U® tank into the design of the impressed current system.

8.0 FINAL AIR TEST

8.1 Install required tank piping using compatible non-hardening sealant, taking care not to cross thread or damage the nylon. Torque of 400 to 1,000 ft-lbs (542.3 to 1355.8 N-m) may be required to fully insert pipe.

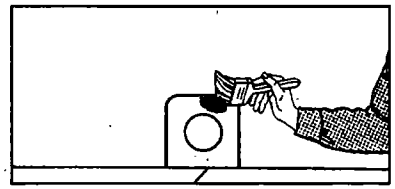
8.2 Where air or hydrostatic testing is required after installation, the pressure applied shall not be in excess of 5 psig (34.5 kPa) as measured at the top of the tank. A soap solution shall be applied around pipe connections while air test is being performed.

9.0 SEALING OF PIPE CONNECTIONS, LIFTING LUGS AND REPAIRS

9.1 The fabricator, per STI specifications, has applied the cladding over all steel surfaces. During the installation process, steel can become exposed at the lift lug due to handling of the tank. Steel may also be exposed at the interface between the steel tank and the electrical isolation fitting. These areas,

along with all other exposed steel surfaces, must be covered via the touch-up kit supplied by the manufacturer. After application, the installer shall verify that the repaired area has cured (adequate material hardness and solidification) prior to backfill. Normal cure time may vary.

9.2 Clean areas to be repaired through removal of surface rust, dirt, contaminants, and disbonded cladding. The cladding surrounding all holidays, cladding flaw areas, and/or exposed steel areas should be surface prepared by using a coarse grit sandpaper or grinder. (Refer to SSPC SP-2 "Hand Tool Cleaning" or SP-3 "Power Tool Cleaning" for additional guidance). This process should remove all glossiness from the surface surrounding the repair area within 6 inches (152 mm) of the holiday.



9.3 After an air test has established tightness, tank fittings shall be covered with a coat of the repair material prior to backfill. (Refer to section 9.2 for surface preparation). Area to be coated shall include the entire plug on unused fittings.

10.0 FINAL BACKFILL

10.1 Homogeneous backfill shall be deposited carefully around the tank and to a depth of at least 1 foot (305 mm) over the tank. (See NFPA 30 and state or local codes for minimum depth of cover required).

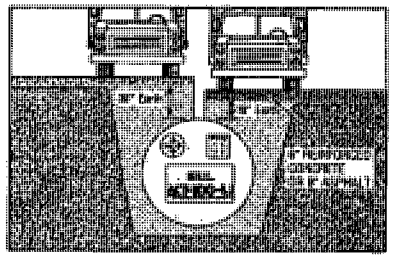
10.2 If cladding damage occurs after holiday testing or during backfill operation, repairs shall be made in accordance with Section 9.

11.0 OPERATING LIMITATIONS

11.1 Tanks shall be operated at ambient temperatures only.

12.0 MAINTENANCE

12.1 The primary tank shall be inspected monthly for the presence of water. Inspection shall take place at the lowest possible points inside the primary tank. Remove any water found. Water and sediment in fuel can cause plugging of filters. Also, bacterial growth, originating from the fuel can cause filters to plug and corrosion of tanks and lines. For procedures on how to check for the presence of water and removal of water, refer to API Recommended Practice 1621, Appendix D and API Standard 2610. Another source of information is a report by the US Department of Energy, Brookhaven National Laboratory BNL 48406, which provides information on methods to test for and remove water, test for bacterial presence in fuel, tank cleaning and fuel additives.



12.2 Tank must be installed within one year of delivery from tank manufacturer. If tank is not installed within this time period, contact tank manufacturer to recertify the tank.

12.3 Safety considerations and controls should be established prior to undertaking physical activities associated with USTs. Some hazards associated with USTs are, but not limited to, confined space entry, cleaning, inspection, moving and any other aspect of in-service work.

12.3.1 Contact tank manufacturer before moving tank for information on recertifying tank for continued use.

DISCLAIMER

These instructions are intended only as an aid to tank installers who are knowledgeable and experienced in underground tank installation. Compliance herewith does not necessarily meet the requirements of applicable federal, state and local laws, regulations and ordinances concerning tank installation. STI makes no warranties, express or implied, including but not limited to, any implied warranties of merchantability or fitness for a particular purpose, as a result of these installation instructions.

Contact STI for the latest version of these Installation Instructions or visit the STI website at www.steeltank.com.

Steel Tank Institute

URETHANE COATED STEEL UNDERGROUND STORAGE TANKS

ACT-100-U

R971

INSTALLATION CHECKLIST

JUNE 2010

Owner of Tank: _____

Location of Tank: _____

ACT-100-U Label No: _____

Date: _____

CHECK ( )

HANDLING

the handling equipment is of adequate size and capacity to lift and lower the tank without dragging or dropping. ____

The repair of any damaged laminate areas has been made in accordance with installation instructions. ____

Prior to storage, the tank has been chocked with wood blocks or tires. ____

EXCAVATION

When no anchoring is required, the site has been excavated deep enough to enable 1 foot of clean sand or gravel to act as bedding material between native soil and tank. ____

Burial depths meet minimum code requirements (such as NFPA 30). ____

TESTING

The tank has been air-tested at 5 psig (kPa) while applying soap solution onto weld seams and ittings to check for leaks. ____

OR

on a double wall tank, vacuum test has been performed in accordance with the fabricator's instructions. ____

All local and state testing requirements have been performed. ____

ANCHORING

Not applicable to this site. ____

Deadman anchors used. ____

Concrete pad. ____

Soil and pavement over burden will hold down tank (reference PEI/RP100) ____

CHECK ( )

When anchoring with a concrete hold down pad, a minimum 6 inch (152.4 mm) layer of bedding material over the concrete pad dimensions to separate tank from pad. ____

When deadman anchors or hold down pads are used, hold down straps have been separated from the tank by an inert insulating dielectric material at least 1 inch (25.4mm) wider than the steel hold down straps. ____

Tank is electrically isolated rom the hold down strap. ____

BACKFILL

Tank is buried with soundboard in place. ____

Homogenous backfill consisting of clean sand, pea gravel, #8 crushed stone or natural earthen material has been used. ____

Backfill is the same material as bedding. ____

Backfill has been placed along the sides of tank to ensure full support along the tank's bottom quadrant. ____

PIPE CONNECTIONS

Nonconductive piping used. ____

Dielectric bushings or flanges installed. ____

_____

Signature and Title of Installing Foreman and/or Project Engineer

_____

_____

Installing Contractor

944 Donata Court
Lake Zurich, IL 60047
Phone: 847-438-8265
Fax: 847-438-8766

Steel Tank Institute

Note: This checklist includes certain key steps in the proper installation of the ACT-100-U tank and is intended only as an aid to tank installers who are knowledgeable and experienced in underground tank installation. Compliance herewith does not necessarily meet the requirements of all applicable federal, state, and local laws, regulations and ordinances concerning tank installation.

Highland Tank

The Oil/Water Separator

Users' Manual

Installation

Venting Guidelines

Start-up

Operation

Maintenance

Trouble Shooting

Carefully read and follow the instruction in this booklet

Contents

Installation 5

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Appendix 34

Introduction

Thank you for purchasing a Highland Tank Oil/Water Separator. Highland Tank's patented design combines state-of-the-art technology with time-tested materials, making the Highland Tank Oil/Water Separator the strongest and most reliable high-performance separator in the industry.

The purpose of this manual is to provide detailed information on the installation, venting, startup, operation, maintenance and trouble-shooting of Highland Tank's Oil/Water Separator (OWS). These instructions should be used in conjunction with those provided by the STI Steel Tank Institute (Underground Steel Storage Tanks with ACT-100-U® R971-00 or STI-P3® Corrosion Control System R821-00) and the Petroleum Equipment Institute's PEI/RP 100-97.

Things to think about before you begin:

Carefully read and follow instructions in this booklet. Local codes may apply. Check with local authorities prior to installation of OWS.

- Adequate site space - almost all products are delivered on a 60' trailer. Allow space for positioning and unloading
- Crane with adequate lifting capacity and clearance - have operator check site for clearances - overhead, turning, etc. Spreader bars are required for 10' dia. and larger. Tanks 10' dia. and larger are shipped rotated to minimize over-the-road height. These tanks must be lifted from the hauling trailer by the supplied lifting lugs on the heads of the tank. These tanks must be rotated before final lifting into the excavation. Spreader bars and adequate lifting straps should be available to maintain recommended safe lifting capacity. Please check approval drawing for overall length of the tank and location of the head lifting lugs. Highland Tank does not permit rotating the tanks while they are still on the trailer.
- Special permits may be required for weight, size, etc. by local code.
- Inlet/outlet piping elevations - coordinate with site plan - check/recheck when tank arrives with approval drawing.
- Make sure tank hold-down method/system is predetermined and components are at site for OWS installation.
- The amount of debris such as sand, gravel, dirt, leaves, wood, rags, etc., permitted to enter the OWS must be minimized for maximum effectiveness. Installation of an appropriately sized Series G OWS with integral sand interceptor or an appropriately sized Highland Tank Sand/Oil Interceptor upstream of the OWS, is recommended.
- Detergents and solvents must not enter the separator system. The separator will not remove chemical emulsions or dissolved hydrocarbons and their presence retards the recovery of oil that would otherwise be separated.
- Waste water containing high concentrations of dissolved solids (such as untreated sanitary sewage) must be excluded due to its emulsifying tendancy. Waste water which exhibits high BOD (Biological Oxygen Demand), COD (Chemical Oxygen Demand), VOC (Volitile Organic Compound) and TSS (Total Suspended Solids) may require additional treatment after the OWS. Installation of an appropriately sized Highland Tank Advanced Secondary Treatment System is recommended.
- Waste oils (such as automobile and truck crank case oil) should not be intentionally drained into the OWS. Filling the OWS with waste oils adversely affects OWS performance. Waste oil should be dumped into a waste holding tank for proper disposal.
- OWS needs to be maintained to remain as free of accumulated oil and sediment as possible. Suction removal of waste, by what commonly is referred to as a "Vac-All" Truck, is the best method of maintenance.
- The location of your OWS should be in an area with sufficient truck access (top-side clearance) for waste removal.
- An absence of gravity flow to the OWS will necessitate waste-water pumping. Pumping should be restricted to the clean water, effluent end of the separator (Series J OWS literature). If pumping occurs at the influent end, it will tend to mix the oil and water, increasing the emulsified and dissolved oil content, possibly to the point of separation failure. If a pump is installed upstream of the separator, it must be a positive displacement pump (progressive cavity, diaphragm, sliding shoe, etc.), at minimum gpm, and installed as far upstream as possible to minimize oil/water mixing.
- The separator system must be kept from freezing at all times. The separator and piping should be installed below frost line. If necessary, a thermostatically controlled steam or electric heating device may be installed.
- Barricade the OWS installation area until job is complete.
- Complete the OWS Installation Checklist. A copy of the completed installation checklist should be retained by the OWS owner and/or installation contractor.
- Complete the ACT-100-U® or STI-P3® Installer Information Card. This information is required for the Limited Warranty.
- Fill OWS with clean water before introducing any waste water into the OWS.

Underground Installation

OWS Unloading

Each OWS must be mechanically unloaded. Use extreme care when unloading the OWS. Weight distribution may be uneven.

Pre-Installation Inspection

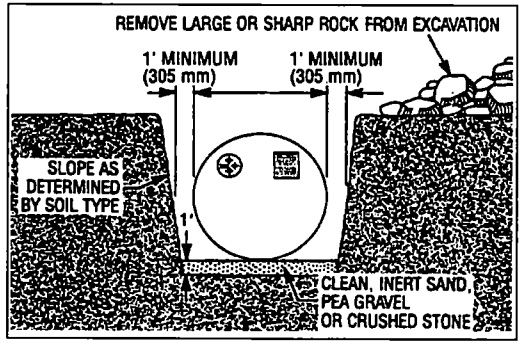
Upon delivery, inspect the OWS for exterior damage that may have occurred during shipping or job site handling.

Carefully remove manway covers so as not to damage the gasket. Inspect the interior of the OWS tank to ensure that all baffles, coalescer plates, coalescer cartridges, and internal piping are secure and have not been damaged during transport.

Excavation and Bedding

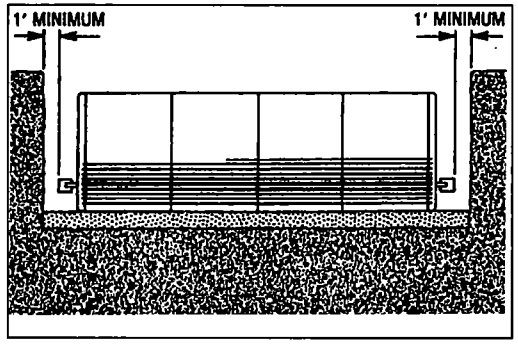
The excavation must be free from any hard or sharp material that could cause damage to OWS coating. Be certain that foreign matter is not introduced into the excavation or backfill.

Bedding and backfill must be homogenous material consisting of compacted clean sand, pea gravel, No. 8 crushed stone (ASTM-448), or equivalent.

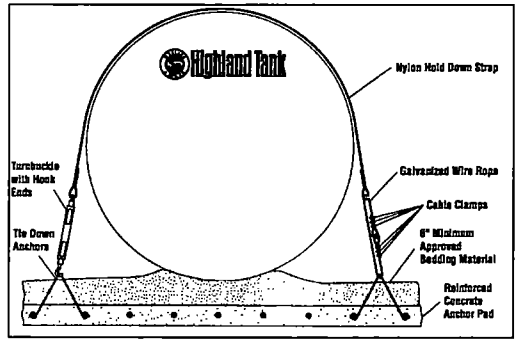


The bottom of the excavation must be covered with bedding material to a depth of one foot, suitably graded and leveled, and extend at least 1 foot around the perimeter of the OWS and anodes (STI-P3® only) for backfill operations.

Excavation and Bedding (cont'd.)



Where anchoring by means of a concrete pad is required, the OWS must not be placed directly on the pad. A layer of bedding material at least 6 inches deep must be spread evenly over the dimensions of the pad to separate the OWS from the pad. The OWS must not be placed on any other hard or sharp material which might cause deformation of the OWS or damage to the coating.

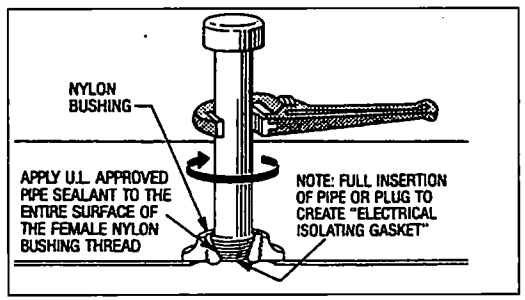


In tidal areas, backfill or bedding materials composed of small particles, such as sand, can migrate into native soils where larger aggregate, such as pea gravel or crushed stone, exists. Resultant voids can create an uneven support for the OWS. The use of filter fabric should be considered.

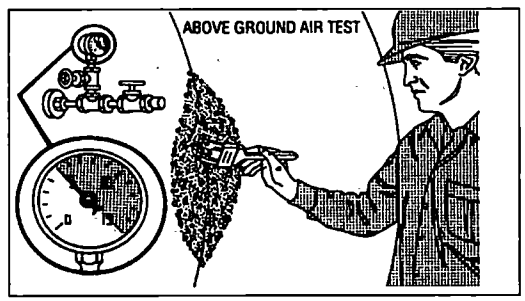
Above Ground Air Test

Take necessary safety precautions during air tests. Do not leave OWS unattended.

Remove factory-installed temporary plugs and thread protectors. Do not remove the dielectric bushings from the unused openings. Apply compatible, non-hardening pipe sealant to internal bushing threads. Permanent metal plugs must be installed at all unused openings. Do not over-tighten permanent plugs. Do not cross-thread or damage non-metallic bushings when replacing plugs or installing required OWS piping.

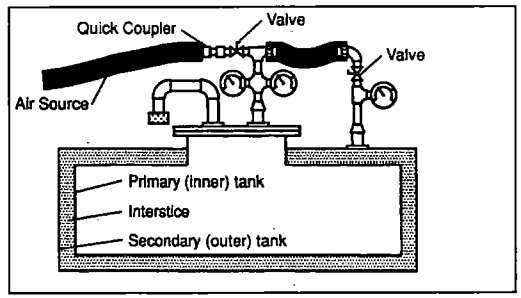


An air test of the single-wall OWS above ground is required. Pressure should not exceed 5



- Double-wall OWS require different air pressure testing procedures. Do not connect a high pressure air line directly to the interstitial monitoring port!

Above Ground Air Test (cont'd.)



- Pressurize the OWS inner tank to a maximum of 5 PSIG. Seal the inner tank and disconnect the external air supply.
- Monitor the pressure for a period of one hour. While air tests are generally inconclusive without soaping and the careful inspection for bubbles, this step is recommended to detect a very large leak in the inner tank and to prepare for the next step.
- Pressurize the interstice with air from the inner tank. Use a second gauge for measuring pressure in the interstice.
- Soap the exterior of the OWS and inspect for bubbles while continuing to monitor the gauges to detect any pressure drop.
- Release the pressure from the interstice, then release the inner tank test pressure and vent both spaces.
- Vacuum testing of the interstitial space of double-wall OWS can be used in lieu of or in addition to the air test procedure. Do not apply a vacuum to the primary OWS or a single-wall OWS. PEI/RP 100-97 and labels on the tank also provide testing guidelines.

On-Site Standing Hydrostatic Test for EZ-Access Equipped Separators

Single-Wall EZ-Access OWS

An on-site standing water hydrostatic test of the single-wall EZ-Access OWS is recommended to insure no damage has occurred during shipping and handling before installation.

After the separator has been leveled, secured to foundation, and the OWS is fully supported with backfill around the bottom quadrant, fill the OWS with clean, fresh water until water is discharge from the outlet. Allow the OWS to stabilize to a no-flow, static condition.

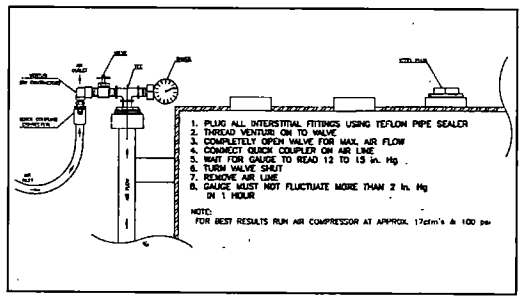
Measure and record the fluid level accurately from the top of the manway to the static fluid level.

After one hour, verify that the fluid level has not dropped indicating that there may be a leak in the primary tank.

Double-Wall EZ-Access OWS

For double-wall EZ-Access OWS, vacuum testing of the interstitial space can be used instead of the hydrostatic test of the primary separator tank.

A double-wall OWS shipped with a vacuum on the interstice need not be retested, provided the OWS arrives at the installation site with the vacuum level with in limits designated by Highland Tank. If the vacuum has decayed during shipment, Highland Tank should be consulted.



- Do not apply a vacuum to the primary seperator tank or a single wall OWS.
- Do not connect the air pressure line from the compressor to the intersticial monitoring port of a double wall OWS.
- After vacuum testing, release vacuum from the seperator before dismantling testing equipment.

On-Site Standing Hydrostatic or Vacuum Test for Series G, H, I and J Compartmented Separators

Single-Wall Compartmented OWS

An on-site standing water hydrostatic test of the single-wall Series G, H, I and J compartmented OWS is recommended to insure no damage has occurred during shipping and handling before installation.

After the separator has been leveled, secured to foundation, and the OWS is fully supported with backfill around the bottom quadrant, fill the Oil/Water Separator Chamber ONLY with clean, fresh water until water. Do not overfill chamber to cause flow from transfer pipe(s) into the adjacent chambers. Allow the OWS to stabilize to a no-flow, static condition.

Measure and record the fluid level accurately from the top of the manway to the static fluid level.

Inspect the dry compartments for presence of any water leaking through the bulkheads.

After one hour, verify that the fluid level has not dropped indicating that there may be a leak through the bulkheads.

If no leaks are detected in the adjacent chambers, continue filling OWS until water discharges

from the effluent downcomer, or the effluent pumpout chamber is full of water. Check for a static water level drop or leaks around the exterior of the OWS.

For double-wall Series G, H, I, or J OWS, the OWS are shipped with a factory installed vacuum.

Coating Repair

ACT-100-U® OWS's are shipped with a protective isolation board. This board shall be placed on

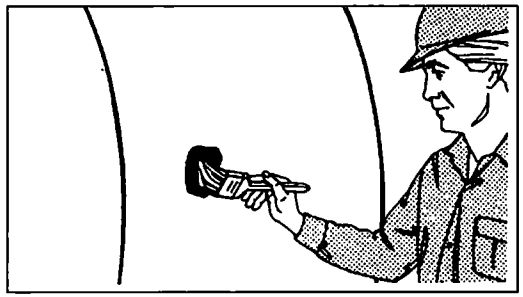
top of the bedding material and the OWS must be placed on the isolation board.

Before placing the OWS in the excavation, all dirt clods and foreign matter must be cleaned from the surface of the OWS. Damage to coating surface must be repaired using the supplied touch-up kit.

Visually inspect the OWS for damage. Pay particular attention to areas where coating has been gouged or abraded. Mark all areas which appear damaged for repair.

Clean damaged OWS coating areas of rust, dirt, contaminants, or disbonded coating prior to application of touch-up coating. Areas of coating damage shall be roughened up with coarse grit sandpaper or grinder (see SSPC SP-2 "Hand Tool Cleaning" or SP-3 "Power Tool Cleaning" for additional guidance) to remove all glossiness from the surface surrounding the repair area approximately 6" around the damaged area. Re-coat the area with touch-up coating provided. Damaged polyurethane coatings must be repaired with the polyurethane repair kit.

Coating Repair (cont'd.)

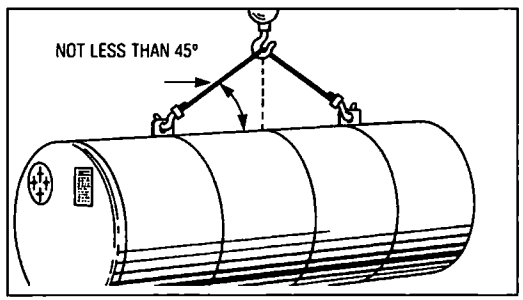


If the OWS is shipped with protective plastic covering over the weld-on anodes, remove this plastic covering. Do not remove cloth bag or cardboard box around anode (STI-P3® only).

OWS Handling

Lifting equipment must be of adequate size to lift and lower the OWS without dragging, dropping or damaging the OWS or its coating.

The OWS must be carefully lifted and lowered with cables or chains of adequate length and attached to the lifting lugs. A spreader bar should be used where necessary. Under no circumstances should chains or slings be used around the OWS shell.

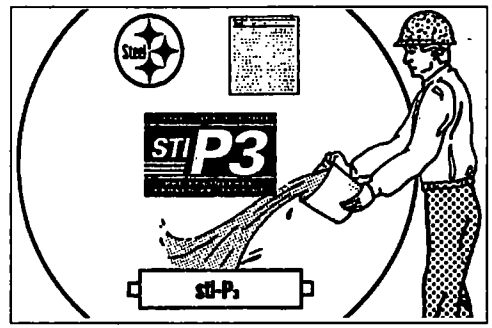


Anode Integrity (STI-P3® only)

STI-P3® OWS's may be equipped with either zinc, magnesium, or combinations of both anodes. Magnesium anodes are designed for installation in soil with a resistivity of 2,000 ohms-cm or greater. Zinc and zinc/magnesium combination anodes are effective in all soil resistivities.

Anode connection (if by a lead wire) must be checked after OWS placement in excavation. If damage to the wire has occurred, the connection must be re-established in strict accordance with STI-P3® specifications.

To ensure immediate operation of cathodic protection system, each anode must be thoroughly saturated with water prior to back filling.



Placement of OWS

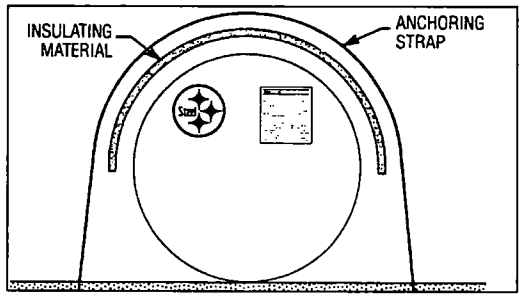
The OWS must be installed in a level and plumb position. Check elevations at each end of the OWS with a transit and adjust as necessary to ½" in 20'-0". Check elevations across the diameter of the OWS and adjust to ⅛" in 10'-0".

Anchoring Underground

High water tables or partially flooded excavation sites exert significant buoyant forces on OWS. Buoyant forces are partially resisted by the weight of the OWS, the back fill, and the pavement atop the OWS. Additional buoyant restraint, when required, can be obtained by using properly designed hold down straps in conjunction with concrete hold down pads or dead-man anchors. The use of steel cable and/or round bar as buoyant restraints is prohibited.

Hold down straps must always be kept from contacting the OWS shell by an oversized separating pad made of inert insulating dielectric material.

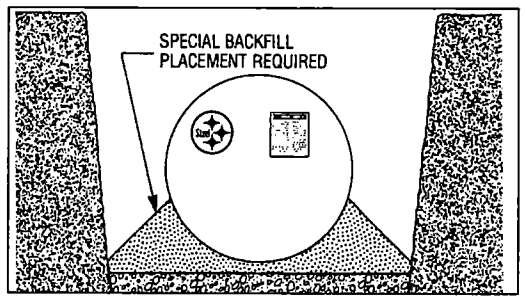
Anchoring Underground (cont'd.)



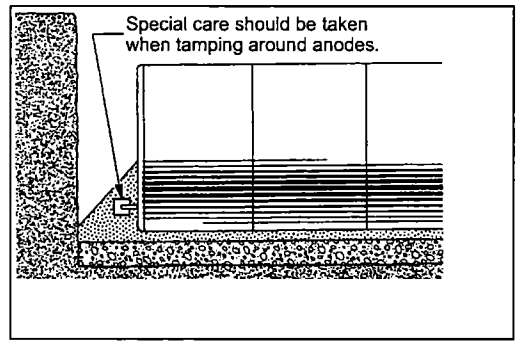
Back-filling Underground

Homogeneous backfill, similar to bedding material, must be placed around the entire OWS to create a uniform homogeneous environment.

Special care must be taken when installing backfill to ensure OWS is fully supported around the bottom quadrant.



Back-filling Underground (cont'd.)



The back-fill should be placed carefully around the OWS just to the top of the OWS.

Fill OWS with clean water ballast. After ballasting is complete, check elevations for proper tolerances.

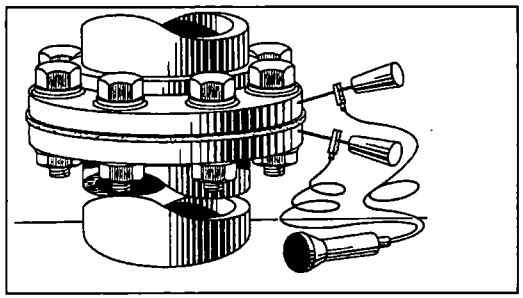
Piping

- Inlet piping installation should be straight and true with as few turns as possible to limit turbulence.
- The OWS should be fitted with Inlet and Outlet butterfly or gate valves for shutdown during cleaning or in emergency situations.

Dielectric Isolation for Piping Underground

Prior to installation of piping, all openings must be visually inspected to assure that the dielectric nylon bushings remain in place. Where flanged openings have been used (i.e., for the OWS Inlet and Outlet), the dielectric isolation must be confirmed with a continuity tester. Do not allow current to pass across the factory installed dielectric flanges. Dielectric isolation is required to assure the integrity of the corrosion protection system.

Dielectric Isolation for Piping Underground (cont'd.)



Attach inlet and outlet tees or elbows (contractor supplied) to flanged isolation spools on OWS. Attach inlet and outlet piping to tees or elbows. For OWS with inlet and outlet through OWS heads, attach piping to flanged isolation spools on the inlet and outlet. Inlet and outlet inverts have been established at the factory. Do not modify without first consulting Highland Tank!

The OWS inlet and outlet piping must be sloped at 1/4" per foot to maintain gravity flow. A greater slope, or a free fall of waste water into the OWS, will cause turbulence which adversely affects OWS performance.

OWS inlet piping must be less than or equal to the OWS inlet diameter. OWS outlet piping must be greater than or equal to the OWS outlet diameter.

Attach manway extensions, taking care not to damage manway gasket between manway necks

OWS Venting Guidelines

Separator is designed for operation at atmospheric pressure ONLY. Separator tank inlet, outlet outlet and manways MUST be vented to atmosphere to assure proper operation.

As shown below, the two manway vents can be manifolded together to one common vent line. The inlet and outlet vents must each have their own separate, dedicated vent line.

The reasons for venting the inlet, manways, and outlet are;

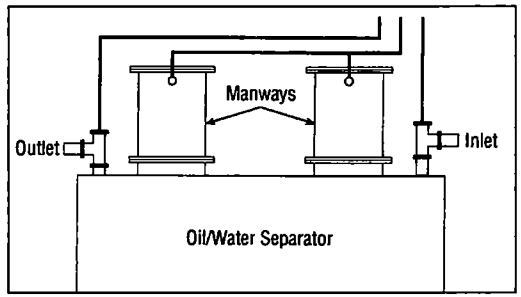
1 - Tank inlet is vented to prevent hazardous gases from building up in inlet pipe draining the catch basin or trench drain (which may be in a building).

2 - Tank outlet is vented to prevent siphoning during full flow into a flooded storm sewer or flooded pit.

3 - Tank manways are vented to prevent hazardous gases from building up in manway risers.

The reason for venting the inlet, manways, and outlet independently from one another is to prevent raw oil or oily wastewater from bypassing and exiting the oil water separator tank, through the vent line, to the outlet pipe, in the event of a surge.

OWS Venting Guidelines (cont'd.)



Owners must provide flame arrestors where required by governing codes for safety.

OWS with Gravity Oil Skimmers and/or Monitoring Equipment

Install oil skimmers and piping. Piping between the OWS and the waste oil tank must be sloped 1/8" per foot to maintain gravity flow.

For OWS's with oil level sensors, pump-out pipes, and leak detection sensors, install riser pipes using compatible non-hardening sealant, taking care not to cross thread or damage the nonmetallic bushings. Torque of 400 to 1,000 ft-lbs. may be required to fully insert pipe. Refer to enclosed manufacturer's sensor and control panel wiring diagrams and installation instructions for electrical details!

Remove thread protectors from unused openings. Do not remove dielectric bushings from unused openings! Permanent metal plugs treated with pipe compound must be installed at all unused openings.

Final Air Test

Air pressure for air or hydrostatic testing after installation must not exceed 5 pounds per square inch (PSIG) and must be measured at the top of the OWS.

OWS Cathodic Protection Monitoring System Installation (STI-P3® only)

Each STI-P3® Protected OWS must have a cathodic protection monitoring station (PP2® or other) installed so that OWS structure lead is easily accessible and identifiable at the finish grade. This provides for easy attachment of a reference electrode monitoring device.

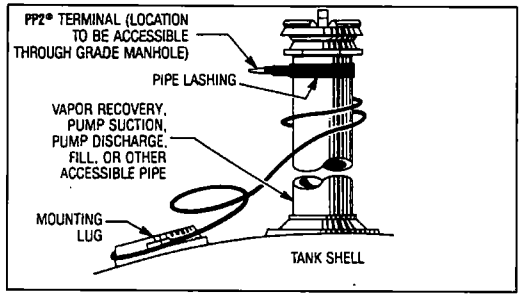
Protection Prover 2® (PP2®) (STI-P3® only)

If your OWS is equipped with a Protection Prover 2® (PP2®) prior to completion of the back-fill, position the monitoring terminal, located near the top of the OWS, as follows:

Select a terminal location on the 4" diameter Oil Pump Out Pipe that will be accessible through a grade manhole.

Loosen the black nylon pipe lashing by releasing the locking tab. Uncoil enough lead wire from the OWS mounting lug to reach the terminal location with an additional 4 feet of slack.

Secure the PP2® terminal to the pipe by tightening the black nylon pipe lashing. The lead wire terminations must remain sealed.



Route wire to avoid strain or breakage during back fill. Do not cover PP2® terminal with back fill material.

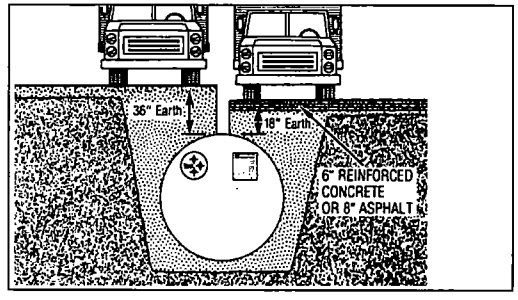
Sealing Lifting Lugs and Pipe Connections Underground

Per STI specifications, polyurethane coating has been applied over all steel surfaces. During the installation process, steel can become exposed at the lifting lug due to the handling of the OWS or at the interface between the steel OWS and the electrical isolation fitting. These areas, along with all other exposed steel surfaces, must be covered using the coating kit supplied by the manufacturer. Also, any other exposed steel surfaces must be repaired with this kit. Apply supplied coating touch-up to ACT-100-U® coated OWS; likewise apply supplied polyurethane touch-up coating to STI-P3® coated OWS. After application, the installer must verify that all of the repair work has cured (adequate material hardness and solidification) prior to backfill. Cure time will vary depending on temperature.

After an air test has established tightness, OWS fittings shall receive an application of coating prior to backfill. Coating shall include the entire plug on unused fittings.

Final Back-Filling Underground

Deposit homogeneous back-fill carefully around OWS to a depth of at least one foot over OWS to avoid damage to coating especially where tamping is required. Refer to NFPA 30 and state or local codes for minimum depth of cover requirements.



Finally, deposit back-fill carefully over the OWS up to the bottom of the 6" concrete top slab.

Use grade level covers and street boxes to access the manways, sensors, or pump-out pipes. The grade level covers above the access manways must be of a greater diameter than the access manway (i.e., 36" grade level cover over a 24" manway).

Top off the OWS with clean water until water discharges from the outlet piping. (See Start-Up Instructions.) *The OWS must be full of water to operate!*

Special Oil/Water Separator Electronics

Recommended Optional OWS Electronics include:

- Oil/Water Interface and Level Float Sensor
- Control Panels
- Leak Sensor (for Interstitial Monitoring of Double-wall OWS)

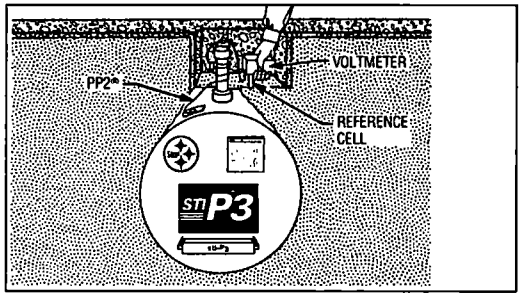
Optional OWS electronic equipment must be installed after the OWS has been installed and before start-up procedures are initiated. Refer to Control System "A1" Oil Level Control with Aux. Contacts or Control System "A1-LDFW" Oil Level Control with Aux. Contacts and Fuel/Water Leak Detection.

Final System Check (STI-P3® only)

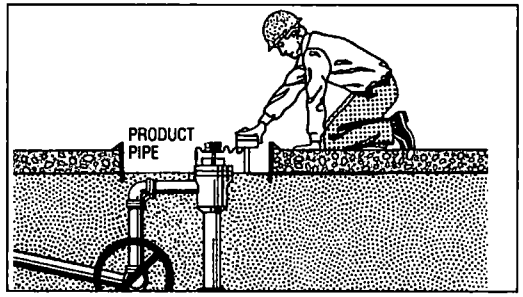
After back-filling, check OWS continuity with a high impedance (minimum 10 megohm) voltmeter by fixing a copper/copper sulfate reference cell in the soil and contacting all OWS structures with the other voltmeter lead wire. Do not move the reference cell. Potential differences between the OWS to soil and all other structures to soil must exceed 10 millivolts to verify electrical isolation.

Final System Check (STI-P3® only) (cont'd.)

Monitoring is required to confirm proper installation and cathodic protection of the OWS. Check tank-to-soil potential reading before pouring concrete or asphalt pad atop OWS with a high impedance voltmeter and copper/copper sulfate reference electrode. Place reference electrode in moist soil directly above the OWS. A minimum reading more negative than -850 millivolts indicates the anodes are activated. Record reading on Warranty Validation Card, Installer Information Card and other permanent files. Return Installer Information Card to Steel Tank Institute.



Due to their classification as waste water treatment tanks, OWS's are deferred from Federal UST Regulations and are not required to be monitored at 3-year intervals. The OWS however, should be monitored at installation and whenever maintenance or new constructions occur near site. Follow applicable local, state, and federal regulations for additional requirements. Reference NACE RP-02-85 for more specifics on cathodic protection criteria.



Note: Cathodic protection effectiveness of STI-P3® tanks will be impacted by contact with other metal structures including piping.

Start-Up

Warnings

CAUTION: Separated liquid oil and vapors are flammable and/or combustible.

This system must be properly vented by installer in accordance with applicable plumbing and safety codes for venting of combustible gases.

Purchaser must be sure that the final state of all wiring complies with all applicable electrical and fire code standards.

Service personnel must comply with all established OSHA codes for facility and service. These include, but are not limited to, the use of approved breathing equipment, protective clothing, safety equipment, etc.

All electrical equipment, connections and wiring must be protected from submergence and infiltration of water.

Intrinsically safe sensor wiring must be kept in a separate conduit from non-intrinsically safe power wiring. Run non-intrinsically safe power wiring in steel conduit grounded at the panel end only.

Filling the Tank

Open the OWS inlet and outlet pipe valves.

Fill the OWS with clean, fresh water.

The OWS can be filled through the facility's drain leading to the OWS Inlet or through a manway.

If filling by manway, place the hose through the 4" diameter Gauge Port in the Manway Cover or in the 24" diameter Manway so that hose outlet rests inside the OWS.

The OWS is full when water drains out of the Outlet. Check the water level using a gauge stick. The OWS is full when the level on the gauge stick equals the invert of the Outlet Pipe as measured from the OWS bottom.

To ensure that no blockage exists, allow water to flow through the facility drain which leads to the OWS Inlet. Check the Outlet Pipe to make sure that water is flowing through the OWS. Check the Inlet Pipe and facility's drain for water backup.

Prior to Oil Level Sensor Installation

Oil Level Controls (optional)

Check sensor with an OHM Meter. Both switches are normally closed in a low position (dry condition).

and/or

Connect the sensor to proper panel wiring (refer to specific panel wiring diagram supplied).

Switch on the panel.

Move the bottom float up and down on the probe stem. As the bottom float approaches the lower grip ring, High-High Oil Level Warning Alarm (red light and audible alarm) should activate.

Move the top float up and down on the probe stem. As the top float approaches the lower grip ring, the High Oil Level warning alarm (an amber light) should activate.

Note: If one or both alarms do not activate properly, check the panel and sensor wiring for proper connections and continuity.

After Oil Level Sensor Installation

As installed OWS fills with water, both floats will be in low position (dry condition) and both alarms will be activated.

Note: If alarms are not activated, check the wiring connections.

While the OWS is filling with water, the High-High Oil Level Warning Alarm should deactivate, and soon thereafter the High Oil Level Warning Alarm should deactivate.

Note: If the alarms do not deactivate upon filling, remove the sensor and check for float binding or poor electrical connections.

Operation

Standard OWS Description

The Highland Tank OWS is designed specifically for the removal of free floating oil, raw petroleum hydrocarbons, grease, and settleable oily coated solids from petroleum and industrial waste water. The OWS intercepts and collects these pollutants directly from the facility's waste water drainage system and prevents their discharge into the environment.

The Highland Tank OWS will not remove oils with a specific gravity greater than .95, chemical

or physical emulsions, dissolved hydrocarbons, solvents, or volatile organic compounds (VOC). (Refer to Highland Tank's Advanced Secondary Treatment System [Brochure HT-2035] for treatment of waste water contaminated with these pollutants.)

Important: For proper operation, the OWS must be filled with water at all times.

CAUTION: Separated liquid oil and vapors are flammable and/or combustible.

Any and all oil recovered and removed from the OWS should be recycled or disposed of in accordance with federal, state and local regulations.

The OWS is a stationary, wastewater treatment tank, filled with water. Internal baffles and coalescers accelerate the oil/water separation process. Waste accumulates within the separator while effluent is discharged by gravity.

During operation, the wastewater enters the top of the OWS through the Inlet Nozzle and is directed over the Velocity Head Diffusion Baffle, a heavy metal plate, inclined at a 45° angle. The Velocity Head Diffusion Baffle serves four basic functions:

- Dissipates the velocity of the incoming water, thereby improving the overall hydraulic characteristics of the separator.
- Directs the flow downward and outward maximizing the use of the separator volume.
- Reduces flow turbulence and distributes the flow evenly over the separator's cross-sectional area.
- Isolates the inlet turbulence from the rest of the separator.

In the Sediment Chamber, heavy solids settle out and are collected behind the Sludge Baffle. Concentrated oil slugs rise immediately to the surface.

As the oily water passes through the Parallel Corrugated Plate Coalescer (an inclined

arrangement of parallel corrugated plates), the oil rises and coalesces into sheets on the underside of each plate. The oil then creeps up the plate surface and breaks loose at the top in the form of large globules. These globules then rise rapidly to the surface of the Separation Chamber, where the separated oil accumulates.

The efficiency of oil/water separation is remarkably improved by increasing the effective

separation surface area through the use of multiple, stacked parallel corrugated plates.

The maximum distance that an oil particle has to rise for effective removal is the distance between the corrugated plates.

The corrugated plates are inclined at an upward angle and spaced ¾" to 3" apart (depending on the application) to prevent fouling by debris and gummy solids.

Effluent flows downward to the Outlet Downcomer, where it is discharged by gravity displacement.

Free-floating oils and greasy solids accumulate until they are pumped out of the OWS.

PETRO-SCREEN™ Coalescer (for Model HTC only)

For enhanced oil removal efficiency, a PETRO-SCREEN™ Coalescer is used to intercept droplets of oil too minute to be removed by the Parallel Corrugated Plate Coalescer.

The PETRO-SCREEN™ is a bundle of oleophilic (oil attracting) polypropylene fibers, layered from coarse to fine, and encased in a solid frame.

When the waste water enters the PETRO-SCREEN™, residual oil globules in the water, down to 20 microns in size, become attached to the oleophilic fibers. Once attached, the oil globules coalesce, increasing their size and accelerating their rising rate. When sufficiently large, the globules break free and rise rapidly to the surface of the Separation Chamber, where the separated oil accumulates.

Oil Level Controls (Optional)

Refer to Control Panel Information in Appendix.

For easy, efficient operation and maintenance, the OWS is equipped with an Oil/Water Interface and Level Sensor to activate warning alarms at high oil levels in the OWS.

Oil accumulates in the OWS until a predetermined level is reached, at which time the oil level sensor activates an alarm signaling that the OWS is full of oil. The level sensor is a magnetic float switch type for oil/water interface detection.

- One (1) Channel Alarm/Control Panel. Refer to Control System HT-1AS.

This alarm/control panel is used in conjunction with a single oil/water interface float switch. The panel will have the nametage "Alarm" over the visual indicating light.

When the oil/water interface reaches a point reflecting 20% OWS volume, one inch below the Oil Pump-Out Pipe, the single oil/water interface float switch is activated and the indication light and audible alarm signals that the OWS Tank is full of oil.

Important: This alarm warns that the OWS is full of oil and the oil will need to be pumped out soon.

- Two (2) Channel Alarm/Control Panel. Refer to Control System HTAP2.

The panel will have the nametages "Alarm No. 1" and "Alarm No. 2" over the visual indicating lights.

This alarm/control panel is used in conjuction with:

- a Dual High Oil/High-High Oil oil/water interface float swith

There are two alarm sensors on one stem:

- High Oil Level Warning Alarm

When the oil/water interface reaches a pont reflecting 20% OWS Tank volume, one inch below

the Oil Pump-Out Pipe, the upper oil/water interface sensor is activated and an Alarm No. 1 visual indication light signals that the OWS is full of oil.

Important: This alwarm warns that the OWS is full of oil and the oil will need to be pumped out soon.

- High-High Oil Level Warning Alarm

In the event that the OWS Tank is not maintained or in the event of an oil spill condition, the oil/water interface will continue to drop. Once the oil/water interface reaches a point reflecting 43% OWS volume, the lower oil/water interface sensor is activated and the Alarm No. 2 visual indication light and audible horn signals that the OWS is dangerously full of oil.

Important: This alarm alerts the operator that the oil must be removed immediately.

Oil Level Controls (Optional) (cont'd.)

- A High Oil oil/water interface float switch and a Liquid Only Leak Detection Sensor

When the oil/water interface reaches a point reflecting 20% OWS volume, one inch below the Oil Pump-Out Pipe, the single oil/water interface float switch is activated and the indication light and audible alarm signals that the OWS is full of oil.

Important: This alarm warns that the OWS is full of oil and the oil will need to be pumped out soon.

For easy and efficient monitoring of the annular space, the OWS is equipped with a Liquid Only Leak Detection Sensor to activate warning alarms in the Alarm/Control Panel if the annular space is filled with hydrocarbons or water.

- Two (2) Channel ALarm/Control Panel. Refer to Control System A-HI-LDFW.

This alarm/control panel is used in conjunction with a single oil/water interface float switch and a Fuel/Water Leak Detection Sensor.

The panel will have the nametags "High Oil / Leak" over the visual indicating lights. This control panel will have fuel/water test pushbuttons.

When the oil/water interface reaches a point reflecting 20% OWS volume, one inch below the Oil Pump-Out Pipe, the single oil/water interface float switch is activated and the indication light and audible alarm signals that the OWS is full of oil.

Important: This alarm warns that the OWS is full of oil and the oil will need to be pumped out soon.

For easy and efficient monitoring of the annular space, the OWS is equipped with a Fuel/Water Leak Detection Sensor to activate warning alarms in the Alarm/Control Panel if the annular space is filled with hydrocarbons or water.

During operation, if the audible alarm is energized, it can be silenced by momentarily depressing the Silence push-button. However, to determine if this is a Fuel or a Water leak, continue with the following instructions:

Fuel Push-Button: (when audible alarm is already silenced)

Momentarily depress the Fuel Push-Button. If after release of the button, the audible alarm energizes, this indicates a fuel leak. The audible alarm can be silenced by again depressing the Silence push-button.

Water Push-Button: (When audible alarm is already silenced)

Momentarily depress the Water Push-Button. If after release of the button, the audible alarm energizes, this indicates a water leak. The audible alarm can be silenced by again depressing the Silence push-button.

If fuel or water is present in the annular space, pump out liquid and consult Highland Tank.

Oil Level Controls (Optional) (cont'd.)

- Three (3) Channel Alarm/Control Panel. Refer to Control System A-LDFW.

This alarm/control panel is used in conjuction with a dual oil/water interface float switch and a Fuel/Water Leak Detection Sensor.

The panel will have the nametags "High Oil/High-High Oil/Leak" over the visual indicating lights. This control panel will have fuel/water test pushbuttons.

This alarm/control panel is used in conjunction with:

- A dual Oil/High-High Oil oil/water interface float switch.

There are two alarm sensors on one stem:

- High Oil Level Warning Alarm

When the oil/water interface reaches a point reflecting 20% OWS volume, one inch below the Oil Pump-Out Pipe, the upper oil/water interface sensor is activated and an Alarm No. 1 visual indication light signals that the OWS is full of oil.

Important: This alarm warns that the OWS is full of oil and the oil will need to be pumped out soon.

- High-High Oil Level Warning Alarm

In the event that the OWS is not maintained or in the event of an oil spill condition, the oil/water interface will continue to drop. Once the oil/water interface reaches a point reflecting 43% OWS volume, the lower oil/water interface sensor is activated and the Alarm No. 2 visual indication light and audible horn signals that the OWS is dangerously full of oil.

Important: This alarm warns that the OWS is full of oil and the oil must be removed immediately.

For easy and efficient monitoring of the annular space, the OWS is equipped with a Fuel/Water Leak Detection Sensor to activate warning alarms in the Alarm/Control Panel if the annular space is filled with hydrocarbons or water.

During operation, if the audible alarm is energized, it can be silenced by momentarily depressing the Silence push-button. However, to determine if this is a Fuel or a Water leak, continue with the following instructions:

Fuel Push-Button: (when audible alarm is already silenced)

Momentarily depress the Fuel Push-Button. If after release of the button, the audible alarm energizes, this indicates a fuel leak. The audible alarm can be silenced by again depressing the Silence push-button.

Water Push-Button: (When audible alarm is already silenced)

Momentarily depress the Water Push-Button. If after release of the button, the audible alarm energizes, this indicates a water leak. The audible alarm can be silenced by again depressing the Silence push-button.

If fuel or water is present in the annular space, pump out liquid and consult Highland Tank.

At the end of all Oil Recovery Operations, the operator must refill the OWS with water. The multi-station liquid level control is then automatically reset.

Leak Detection System (Optional)

Refer to Control Panel Information in Appendix.

For easy and efficient monitoring of the annular space, the OWS is equipped with a Liquid Leak Detection Sensor to activate warning alarms if the annular space becomes filled with hydrocarbons or water during operation.

If the audible alarm is activated during operation, it can be silenced by momentarily depressing the SILENCE push-button.

If fuel or water is present in the annular space, pump out liquid and consult Highland Tank for further information.

Maintenance

CAUTION: Separated liquid oil and vapors are flammable and/or combustible.

WARNING: Never enter an OWS or enclosed space, under any condition, without proper training and OSHA approved equipment. (Consult OSHA guidelines 29 CPR, Part 1910 "Permit Required Confined Spaces.")

All enclosed spaces must be properly vented prior to entry to avoid ignition of flammable materials or vapors.

Atmosphere must be properly tested for combustible vapors and oxygen prior to entry.

Entering the OWS without using a self-contained breathing apparatus may result in inhalation of hazardous fumes, causing headache, dizziness, nausea, loss of consciousness, and death. Required entry equipment includes, but is not limited to:

- Lifelines
- Safety harnesses (safety belts are unacceptable)
- Self-contained breathing apparatus
- Respirators (canister type)
- Rescue harness and ropes
- Horns, whistles, radios, etc. (for communication purposes)
- Explosion-proof lighting

Important: Be sure to inspect and replace manway gaskets as necessary when the OWS is shut-down for maintenance.

The coalescer plates and packs can be removed for cleaning or can be cleaned from above using a hot-water pressure wash with extension wand.

Mechanical lifting is required to remove the coalescer packs in large diameter OWS.

Inlet and effluent pipe valves should be closed prior to OWS entry.

All liquid must be removed from the OWS prior to entry.

Any and all oil recovered and removed from the OWS should be recycled or disposed of in accordance with federal, state, and local codes and regulations.

CAUTION: Interior surfaces of the OWS will be slippery.

OWS are designed for long-term, trouble-free operation. The following maintenance should be performed as needed or in accordance with a facility maintenance schedule.

Periodic inspection of:

- Upstream trench drains, sand interceptors, and traps
- Inside of the OWS for sand, trash, sludge and oil build-up
- Effluent for oils and other contaminants in accordance with local codes and permits
- Oil level in accordance with local codes and permits

OWS's with oil level sensors require oil removal when the alarm is activated. Simply remove the oil, then refill OWS with clean water (see Start-Up Instructions).

OWS's without oil level sensors require level checking by use of a gauge stick with oil/water sensing paste. If oil/water interface level is below that shown on the Oil Level Chart, oil needs to be removed and the OWS refilled with clean water.

WARNING: If the oil is not pumped out, the oil concentration in effluent may exceed the desired levels. Oil should only be removed during non-flow conditions to ensure pure oil draw-off.

Maintenance (cont'd.)

If contaminants are found, close the valve on the inlet line, determine what the requirements are for restoring working order and take appropriate action.

For optimum performance, maintenance is required as needed or at least:

Once per year or when:

Bottom sludge in tank is 12" deep;

The effluent exhibits an oil sheen or contains high contaminant levels.

Inspect OWS after a heavy rainfall to check for signs of malfunction due to an excessive flow rate.

If the OWS has been cleaned within the year and only bottom sludge has built up while the effluent water is contaminant free, it may be sufficient to vacuum the sludge from the sediment chamber and refill OWS with clean water. (See Start-Up Instructions.)

Oil Removal Procedures

Important: Oil should only be removed during non-flow conditions to ensure pure oil draw-off.

Oil Removal Procedures (with optional oil level controls)

Be sure the High Oil Level Warning Alarm is activated because of an actual high oil level, otherwise a mixture of oil and water will be removed.

To minimize water contamination of the oil, connect the oil suction hose to the 4" diameter Oil Pump-out Pipe fitting/coupling.

Suction out the oil.

Refill OWS with clean water to deactivate the High Oil Level Warning Alarm. (See Start-Up Instructions.)

Oil Removal Procedures (without optional oil level controls)

Determine where the oil/water interface by using a gauge stick and oil/water sensing paste.

If the oil/water interface is less than the level found on the Oil Level Chart for your model, suction out the surface oil from the 4" diameter Gauge Port or the manway, otherwise a mixture of oil and water will be removed.

If the oil/water interface is equal to or greater than the level found on the Oil Level Chart, connect the oil suction hose to the 4" diameter Oil Pump-out Pipe fitting/coupling and suction out the oil.

Mixed Oil and Water Removal Procedures

Place a 3" or smaller suction hose inside the OWS through either the 4" diameter Gauge Port or through the Sediment Chamber Manway.

The suction hose nozzle should be 12" or higher above the OWS bottom. If nozzle extends closer to the bottom, sludge may be inadvertently removed.

Suction out OWS contents.

Refill with clean water. (See Start-up Instructions.)

Major Oil Spill Response Procedures

Important: A major oil spill is a spill which exceeds the normal oil storage capacity of the OWS. In the event of a major spill, notify proper authorities as required by federal, state, and local laws.

After a major oil spill, the OWS should always be emptied, cleaned, and refilled with clean water.

Oil Spill Removal Procedures (with or without optional oil level controls)

If OWS has optional oil level controls, be sure the High and High-High Oil Level Warning Alarms are activated because of an actual High-High oil condition.

Determine exactly where the oil/water interface is located using a gauge stick and oil/water sensing paste.

Open the 4" diameter Gauge Port or Sediment Chamber Manway.

Apply oil/water sensing paste to a gauge stick.

Place gauge stick into the OWS through the 4" diameter Gauge Port or Manway to determine the oil/water interface location.

Place a 3" diameter or smaller suction hose inside the OWS through either the 4" diameter Gauge Port or through the Manway.

Lower hose to exact oil/water interface location. If the suction hose nozzle extends lower than the oil/water interface, water may be inadvertently removed with the oil.

Suction out the oil.

Refill with clean water. (See Start-Up instructions.)

If oil is still visible on the surface of the OWS or the alarms remain on, suction out the oil and refill with clean water.

Continue this sequence until only a sheen of oil is visible on the surface of the OWS or the alarms deactivate.

Sludge Removal Procedures

Determine exactly where the sludge/water interface is located using a wooden gauge stick.

Open the 4" diameter Gauge Port or Sediment Chamber Manway.

Place gauge stick into the OWS through the 4" diameter Gauge Port or Manway.

Slowly lower the gauge stick until it comes into contact with the sludge blanket. Mark the stick.

Push the stick downward until it comes into contact with the Striker Plate on the OWS bottom. Mark the stick.

The sludge depth is the difference between the two measurements.

Sludge Removal Procedures (for full OWS)

Place a 3" diameter or smaller suction hose inside the OWS through either the 4" diameter Gauge Port or through the Manway.

Lower hose to exact sludge/water interface location.

Suction out the sludge while slowly lowering the suction hose nozzle until it comes into contact with the Striker Plate on the OWS bottom.

Refill with clean water. (See Start-Up Instructions.)

Sludge Removal Procedures (cont'd.)

Sludge Removal Procedures (for completely empty OWS)

Warning: Never enter an OWS or enclosed space, under any condition without proper training and OSHA approved equipment (Consult OSHA guidelines 29 CPR, Part 1910 "Permit Required Confined Spaces").

Suction out sludge and debris. Use caution to avoid internal coating damage.

Using a standard garden hose at normal pressure (40-70 PSIG), with or without a spray nozzle, loosen any caked oily solids. Use of hot water can be helpful.

Direct the water stream to the OWS wall side and bottom.

Suction out the resultant slurry.

General OWS Cleaning Procedures

If not properly maintained, the OWS may malfunction.

NOTE: Over a period of time sediment, oil, and grease will build up on the walls and floors of the OWS. Dirt and heavy oil may also build up on the Parallel Corrugated Plate Coalescer reducing the unit's efficiency. Also, the PETRO-SCREEN™ removes some suspended solids along with the small oil droplets in the wastewater. Periodic cleaning of the PETRO-SCREEN™ is also required.

Important: It is recommended that the OWS be cleaned as needed or at least once a year. Keep inspection and maintenance logs and have them available for ready reference.

Sediment Chamber

Remove manway cover to expose the Sediment Chamber being careful not to damage the gasket.

Pump-out contents of OWS (see Mixed Oil and Water Removal Procedures).

Gauge the level of sand, dirt, or debris with wooden gauge stick.

Important: The level of sand, dirt, or debris should not be allowed to accumulate higher than 12" from the bottom of the OWS.

Remove the accumulated waste with a suction hose (See Sludge Removal procedures).

Direct a high pressure hose downward to loosen any caked oily solids on OWS sides and bottom.

NOTE: Use of high-temperature, high-pressure washing equipment along with Highland Cleaner can be helpful in OWS cleaning. Highland Cleaner is very effective and is 100% Biodegradable, non-emulsifying, and contains no Linear Activated Solvents (LAS), Phosphates, Ammonia, or Acids.

Attach spray nozzle wand extension to the high pressure hose.

Direct spray downward and toward the velocity head diffusion baffle to loosen up any caked oily solids that may have accumulated on inlet head.

Direct the spray to the OWS wall sides, top and bottom.

Remove the slurry with the suction hose.

Oil Water Separator Chamber

Disconnect all non-voltage carrying sensor lines to the Oil Level Sensor.

Carefully remove the Oil Level Sensor.

Carefully check the Oil Level Sensor floats. If the floats do not slide easily on the stem or have sludge on them, clean the Oil Level Sensor. Use a parts washer and mineral spirits to remove accumulated oil, grease, or sludge.

Check the Oil Level Sensor with an OHM meter to assure proper operation.

Place the Oil Level Sensor in a safe area to prevent damage.

Remove manway cover over the 24" diameter manway to expose the Oil Water Separation Chamber.

Be careful not to damage the gasket.

Gauge the level of sand, dirt, or debris with wooden gauge stick.

Remove the accumulated waste with a suction hose (see Sludge Removal Procedures).

Direct a high pressure hose downward and around to loosen caked oily solids on OWS sides, top and bottom.

Attach spray nozzle wand extension to the high pressure hose.

Direct spray downward and toward the Parallel Corrugated Plate Coalescer to loosen up caked oily solids that may have accumulated on top of plates.

Flush the Parallel Corrugated Plate Coalescer from the outlet side to direct debris to Sediment Chamber.

NOTE: The coalescer packs must be cleaned of all sludge to operate properly.

Direct the spray to the OWS wall sides, top and bottom. Rotate the nozzle sufficiently and often so that all areas are reached with the spray.

PETRO-SCREEN™ Coalescer

Important: Coalescer packs CAN BE cleaned in place or removed for cleaning. Mechanical lifting equipment is required to remove the coalescer packs in larger units.

Hook the Lifting Rod to the Lifting Lug on the coalescer pack and remove the coalescer pack directly below the manway.

Using the Lifting Rod, slide the next coalescer pack over and remove.

Continue until all coalescer packs have been removed and are above grade.

Place coalescer packs on oil absorbent blanket or sheet plastic.

NOTE: The coalescer packs should be moved to a convenient location upstream of the separator and washed to remove any gummy deposits.

Using a standard garden hose at normal pressure (40–70 PSIG) — with or without a spray nozzle — loosen any caked solids.

Flush the coalescer packs from both sides.

Let coalescer packs stand and dry.

PETRO-SCREEN™ Coalescer (cont'd.)

Visually inspect the OWS interior and components for any damage.

NOTE: If any visual damage exists, contact Highland Tank for further instructions.

Reinstall the coalescer packs.

The coalescer packs must be installed sitting on top of the bottom steel channel supports.

NOTE: Improper installation will result in separator malfunction.

Reattach the manway cover. Ensure the gasket is damage free.

Install the Oil Level Sensor in the 2" diameter Interface and Level Sensor Pipe.

Reconnect all non-voltage carrying sensor lines to the Oil Level Sensor.

Refer to OWS Start-Up Instructions for proper refilling and restarting procedures.

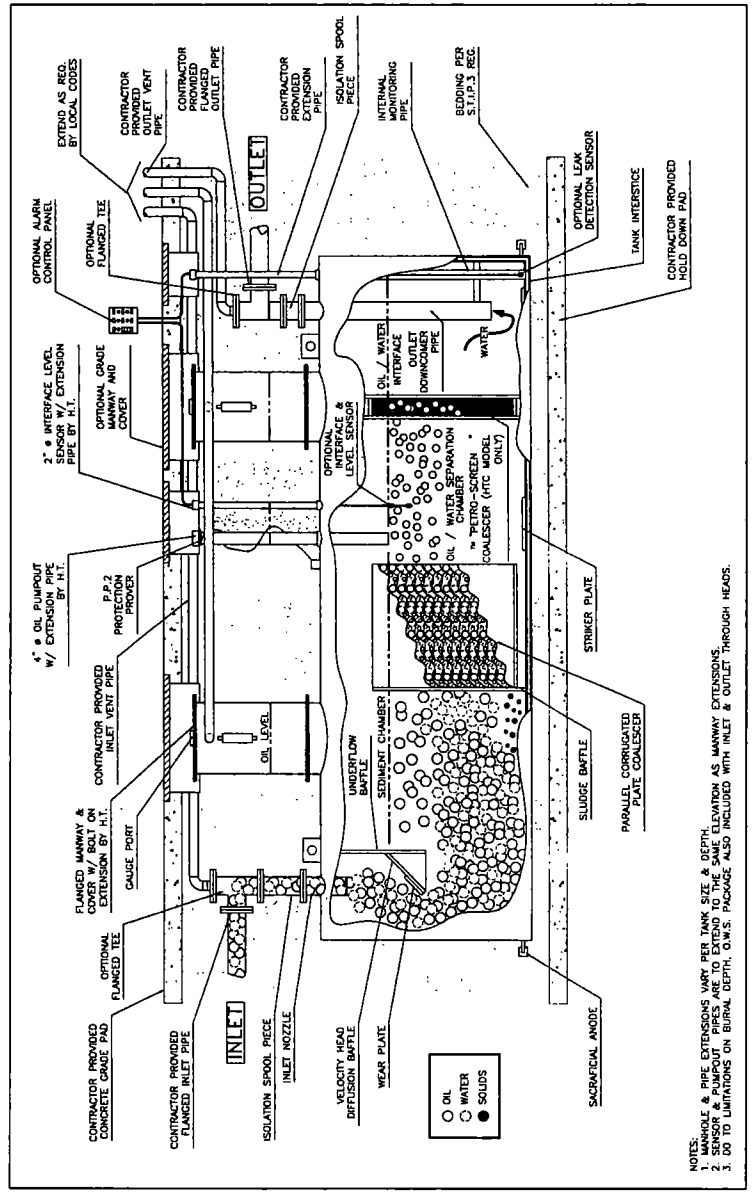
Troubleshooting Guide

Problems which occur during OWS operation can be the result of many factors. The following list identifies the most common problems, their possible causes and suggested remedies.

PROBLEM	POSSIBLE CAUSE	REMEDY
Excessive oil concentrated in OWS effluent water.	Storm water pumped into the OWS (causing emulsification of oil droplets in the clean water).	Change to gravity flow.
	Flow rates exceeding rated capacity (causing emulsification of oil droplets in the clean water).	Decrease flow.
	Presence of detergents or surfactants (causing	Detect and remove source of harmful chemical emulsification). detergents. Replace
	with Highland Cleaner.	
	Oil levels higher than rated storage capacity, causing separated oil to carry-over.	Remove oil.
	Excessive flow turbulence into OWS (causing more mechanical emulsions).	Check for debris in inlet piping. Decrease flow.
	Presence of dissolved hydrocarbons	Remove source of hydrocarbon.
	Presence of excessive dissolved or suspended solids leading to OWS, inside OWS, or in effluent. (Solid or clay may be coated with oil).	Install Highland Interceptor Tank in front of OWS and clean OWS
	Oil is of a higher specific gravity than was specified for OWS.	Remove source of high specific gravity oil, or decrease flow rate and install heater in OWS.
	Wastewater pH is high (causing chemical	High pH is usually caused by high alkaline
Storm water back-up in drainage area.	Excessive sludge or debris build-up.	Clean out OWS.
	Closed inlet or effluent piping valves.	Open piping valves completely.
	Inlet piping vapor lock.	Check to ensure inlet tee vent is operating
	property.	
	Debris.	Clean catch basin, trench drains, and/or
	Interceptor.	
High suspended solids content in clean water effluent.	Excessive sludge or debris build-up.	Clean out OWS.
	Excessive solids in storm water drainage area.	Install Highland Interceptor Tank in front of OWS and clean OWS.

If you have any questions regarding OWS problems, and for information on control panels, please contact Highland Tank.

OWS Reference Drawing



Highland Tank

Highland Manufacturing Locations

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2225 Chestnut Street
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FAX 664-0617

2700 Petterson Street
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FAX 218-1292

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FAX 273-1365

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Please visit us at www.highlandtank.com

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ATTACHMENT F

MWH

Garden Borders or Planters

Retaining or Terrace Walls

Small Commercial Walls

Use this guide for estimating the number of Keystone Legacy Stone units required.

WALL HEIGHT*	WALL LENGTH (measured along wall face including corners)					
	6'	12'	18'	24'	30'	36'
6"(15cm) (1 course)	5	9	14	18	23	27
12"(30cm) (2 courses)	10	18	28	36	46	54
18"(46cm) (3 courses)	15	27	42	54	69	81
24"(61cm) (4 courses)	20	36	56	72	92	108
30"(76cm) (5 courses)	25	45	70	90	115	135
36"(91cm) (6 courses)	30	54	84	104	138	162

**Please Note:*
The Keystone Legacy units were designed for unreinforced wall heights no greater than 3'-0" (91 cm) high with compacted sand or gravel backfill and level grade above and below wall. Design assumes no surcharge loads. Wall height is measured from top of leveling pad. The estimating chart provides for the number of units based on selected height and length of wall. For taller wall applications, contact your local KEYSTONE Representative for design, product and reinforcing options.

Distributed By:

KEYSTONE® RETAINING WALL SYSTEMS A CONTECH COMPANY
Retaining Excellence™

Keystone is a subsidiary of CONTECH EARTH STABILIZATION SOLUTIONS INC.

Keystone Retaining Wall Systems, Inc. • A CONTECH Company
4444 West 78th Street • Minneapolis, MN 55435
(952) 897-1040 • ***www.keystonewalls.com***

We reserve the right to improve our products and make changes in the specifications and design without notice. The information contained herein has been compiled by KEYSTONE and to the best of our knowledge, accurately represents the KEYSTONE product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user.

©2007 Keystone Retaining Wall Systems, Inc.
Patent Pending.

MRE-9809

Timeless Beauty

KEYSTONE
Legacy Stone®

Build it Yourself

KEYSTONE® RETAINING WALL SYSTEMS A CONTECH COMPANY

Keystone Legacy Stone®

Add beauty to any home or garden landscape in 3 easy steps.

Solid and Lasting Performance
Keystone Legacy Stone® is made of high-strength, low-absorption concrete to provide permanent, environmentally safe walls that are virtually maintenance free.

Timeless and Natural Beauty
Keystone Legacy Stone has the natural complement of quarried stone and its earth tone colors blend with any landscape.

Quick & Easy Installation
Keystone Legacy Stone is lightweight and easy to handle. No special tools are required. Its secure, interlocking design makes installation as easy as 1-2-3.

Design Freedom and Versatility
Keystone Legacy Stone enables you to build straight, curved, or terraced walls to fit the contours of your yard.

- Unit dimensions: 6"H x 16"W x 10 3/8"D *(15cm x 41cm x 26cm)*
- Unit weight: 50lbs (23kg)
- Exposed face area: 2/3 sq. ft. (.06m²) per unit

*Unit size, weight, color and availability may vary by region.

Step 1

Prepare the leveling pad & install the base course.

Determine wall location. Dig a shallow trench for wall base (see cross section). Place granular leveling pad material. Compact and level the base pad. Place and level the first course units. If grade changes along base of wall, create stepped leveling pad as required. Always start wall at lowest elevation, working to highest. Complete base course before proceeding with additional courses.

Remove Edges.

To remove outside lip of edge of retaining wall and secure it. Place at right angle to ground. Strike the lip/edge with a hammer. Always wear safety glasses to protect eyes from chips.

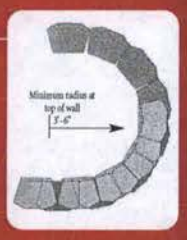
Step 2

Place & compact backfill material.

Backfill first course units with clean granular fill material (i.e. crushed stone/gravel). DO NOT USE PEA GRAVEL! Compact with hand tamper or appropriate mechanical compactor. Backfill and compact behind each course before installing additional courses.

Building Curves.

Curves as small as 2'-2" in radius can be built with Keystone Legacy Stone.



Step 3

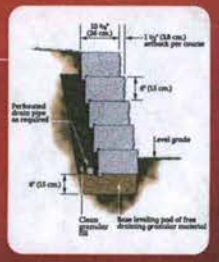
Install additional courses.

Starting at straight wall area, place units centered over joint of units below to form a running bond pattern. Build through curves in similar manner.

Note: At curves, corners & concave course bonding will adjust sideways. If stack bond occurs, remove rear interlock lip so down course units accordingly to get back to running bond.

Typical Legacy Stone Section.

Use clean granular backfill such as gravel or crushed stone for drainage and to prevent soil from backfill through the wall. A commercial filter fabric or sand layer is a good supply if soil must be used when choosing the soil as a backfill.



KEYSTONE RETAINING WALL SYSTEMS

Retaining Excellence

PRODUCT PORTFOLIO

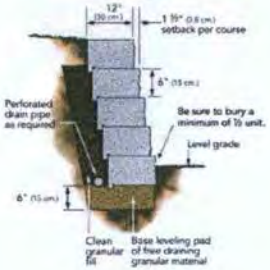
- **Landscape Products**
  - Sedona Stone™
  - Garden Wall™
  - Legacy Stone®
  - Mini / Caps
  - Country Cottage™
  - Country Manor®
  - Stonegate® Country Manor®
  - Palazzo Stone®
  - Potenza Stone®
  - Verazzo Stone® - 1 piece
  - Verazzo Stone® - 3 piece
- **Structural Products**
  - Standard
  - Compac
  - Century Wall®
  - 133Elite®
  - KeySteel SQ.FT.
- **Miscellaneous**
  - Sculpterra™ Technology
  - Fiberglass Pins
  - Keystones®
  - Kapseal Adhesive
- **Keystone Do-It-Yourself Products**

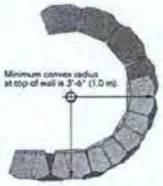
OVERVIEW | SPECIFICATIONS | ESTIMATING | INSTALLATION | PHOTO GALLERY | 360° VIEW

KEYSTONE Legacy Stone®

	tri-plane	straight	hewn
height	6"	6"	6"
width	16"	16"	16"
depth	10-3/8"	10-3/8"	10-3/8"
weight	50lbs	50lbs	50lbs

Product size, weight, color and product availability varies by location. Please contact your local manufacture for up to date product information.





*Maximum wall height = 3 feet

KEYSTONE GREEN SOLUTIONS

Click here for Keystone's Green Solutions!

FAQ | RESOURCES | ABOUT US | CONTACT US | HOME

BARRIERS

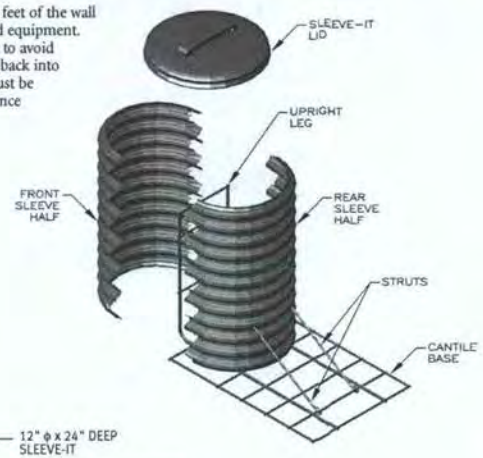
FENCES USING THE SLEEVE-IT™ SYSTEM

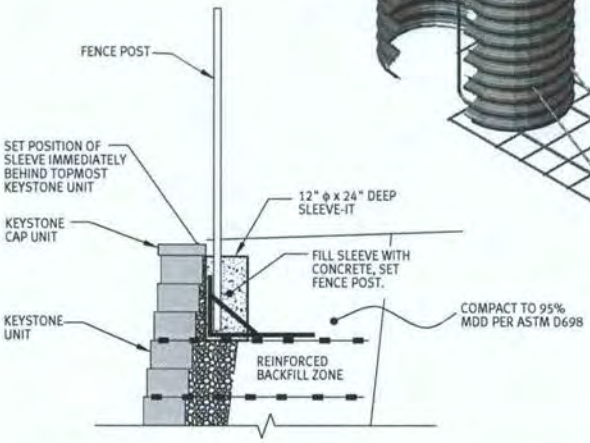
Total's building codes require fencing behind most retaining walls. With the Sleeve-It™ System, fence integration problems are easily solved.

Features and Benefits:

- Easy assembly and installation by wall installer eliminates schedule coordination with fence installer
- Universal sizes to accommodate all your fencing needs
- Engineered fence post foundation system designed to meet building code requirements
- System designed specifically to integrate with Keystone's® design and construction sequence
- Keeps fence contractor from tearing through geogrid layers and affecting integrity of wall system
- Placement of system in the 12" drainage layer allows backfill and compaction to proceed unobstructed

NOTE: Backfill and compaction within three feet of the wall face should be performed with hand operated equipment. Care should be taken during the first 6-8" lift to avoid affecting the integrity of the struts extending back into the backfill zone. Backfill and compaction must be completed to top of wall prior to installing fence post and concrete footing.





KEYSTONE RETAINING WALL SYSTEMS A CORNICE COMPANY

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Minneapolis, Minnesota
(952) 897-1040
(952) 897-3858-fax
www.keystonewalls.com

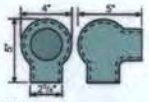
The information contained herein has been compiled by Keystone® Retaining Wall Systems, Inc. and to the best of our knowledge, accurately represents the Keystone product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user. Structural design and analysis shall be performed by a qualified engineer.

WAGNERAIL™ BALL STYLE FITTINGS

Cast Aluminum Fittings with a Tumbled Finish and Set Screws.

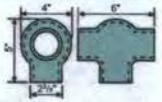
Ball style railing fittings were very popular during the late 19th and early 20th centuries. Over the years, they have gone out of use but are still commonly seen along the ocean and in older facilities. In recent years, **Wagner** has received requests for these parts as many municipalities are restoring some of these existing installations or for new construction in historic renovations. **Wagner** is pleased to re-introduce these parts in cast aluminum for use with 1½" aluminum pipe.

Use parts with ⅜"-16 set screws (Part **#95100**).



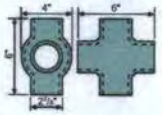
ELBOW
Includes two ⅜"–16 set screws

Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR210



TEE
Includes three ⅜"–16 set screws

Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR220



CROSS
Includes four ⅜"–16 set screws

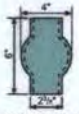
Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR230

FLANGE
Includes three ⅜"–16 set screws

Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR240

SINGLE OUTLET
Includes one ⅜"–16 set screws

Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR260



PARALLEL OUTLET
Includes two ⅜"–16 set screws

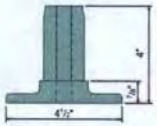
Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR270

ADAPTER
Includes one ⅜"–16 set screws

This adapter may be used with the Single and Parallel Outlets to create varying ramp and stair angles.

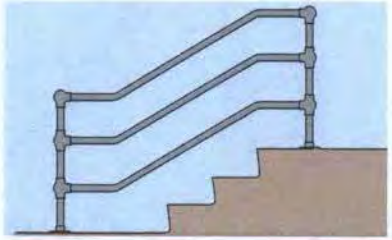
Angles greater than 15° will require this fitting to be ground.

Pipe Size	Tube OD	Aluminum
1½"	1.900"	WR250



BASE

Pipe Size	Tube OD	Aluminum
1½"	1.900"	914



Fliteway Technologies, Inc.
2129 East Birchwood Ave.• Cudahy, WI 53110
(414) 483-5600 • 1-800-236-3580 • FAX (414) 483-1957

September 27, 2011

Q14093 Rev 2

RECON
9977 W. Sam Houston Pkwy N.
Suite 100

Attention: Jon Richardson
Subject: El Dorado Refinery, Eldorado, KS

Dear Jon,

Following is our revised quotation for the Air Blower System you requested.

- **Air Blower System**
  Fliteway Model FS8.5N3-AB-800 rated for 353 Maximum CFM and 137" WC Maximum Pressure

  - Atlantic AB-800 Regenerative Blower with 8.5 HP 220 / 460 VAC TEFC Motor
  - 2 ½" External 10 Micron Filter
  - Mini Magnehelic to measure pressure drop across filter element
  - Control Devices PR-10 Pressure Relief Valve
  - Discharge Pressure gauge, and Temperature Gauge
  - 2 ½" Dwyer DS-300-2.5 Averaging Pitot Tube Flow Sensor with Dwyer Series 2000 Magnehelic Differential Pressure Gauge
  - 2 ½" Discharge Check Valve
  - 1" Gate Bleed Valve with Silencer
  - Dwyer CS-3 Series Low Pressure Switch (0 to 100" WC)

  $ 5,344

- **NEMA 4 Control Panel (480 Three Phase) Mounted on Enclosure**

  - 24" by 24" NEMA 4 Panel
  - 30 Amp In Panel Fused Disconnect
  - Motor Starter and overload protection for:
    - 8.5 HP Blower Motor
  - Illuminated HOA Switch
  - Intermatic ET171C programmable digital timer
  - Control Transformer
  - Relay Logic
  - Alarm Light
  - Low Air Pressure

Fliteway is the Rightway!

- UL Certification

$ 3,193

- **Steel Framed Sheet metal Enclosure (Approximately 30" Wide by 24" Deep by 36" High)**

  - Steel Diamond Plate Steel Base with Fork Lift Pockets
  - Sheet metal Enclosure with hinged Roof Panel
  - One (1) Layer of 2" Convoluted Polyester Noise Absorption Foam panels
  - Bolt down Tabs
  - Two Step Epoxy Painted

$ 1,983

Total $ 10,520

Freight to 1835 N. Topeka St. El Dorado, Kansas 67042 $ 395

Quotation Valid for 30 Days
Terms: Net 30 Days
Delivery: 2-3 Weeks

Sincerely,

William E. Diehl
President

Fliteway Technologies, Inc.
2129 East Birchwood Ave.• Cudahy, WI 53110
(414) 483-5600 • 1-800-236-3580 • FAX (414) 483-1957

Q14093 Rev 1

RECON

El Dorado Refinery, Eldorado, KS

- **Air Blower System**
  Fliteway Model FS8.5N3-AB-800 rated for 353 Maximum CFM and 137" WC Maximum Pressure

  - Atlantic AB-800 Regenerative Blower with 8.5 HP 220 / 460 VAC TEFC Motor
  - 2 ½" External 10 Micron Filter
  - Mini Magnehelic to measure pressure drop across filter element
  - Pressure Relief Valve
  - Discharge Pressure gauge, and Temperature Gauge
  - 2 ½"" Flow Meter
  - 2 ½" Discharge Check Valve
  - Bleed Valve
  - Low Pressure Switch

- **NEMA 4 Control Panel (220 Three Phase) Mounted on Enclosure**

  - 24" by 24" NEMA 4 Panel
  - 30 Amp In Panel Fused Disconnect
  - Motor Starter and overload protection for:
    - 8.5 HP Blower Motor
  - Illuminated HOA Switch
  - Control Transformer
  - Relay Logic
  - Alarm Light
  - Low Air Pressure
  - UL Certification

- **Steel Framed Sheet metal Enclosure (Approximately 30" Wide by 24" Deep by 36" High)**

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  - One (1) Layer of 2" Convoluted Polyester Noise Absorption Foam panels
  - Bolt down Tabs
  - Two Step Epoxy Painted

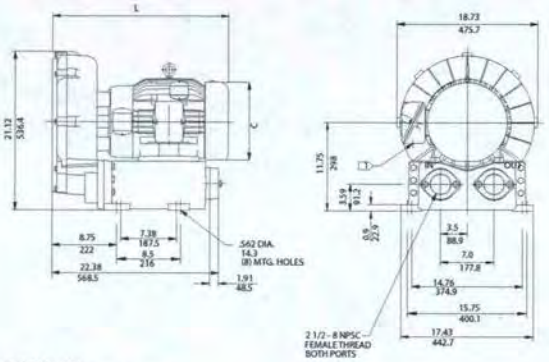
Fliteway is the Rightway!

Industrial / Chemical Processing Blowers

DR 808 & CP 808

ROTRON®

5.0 / 7.5 HP Regenerative Blower



IN
MM

NOTES
1. TERMINAL BOX CONNECTOR HOLE 1.06 (26.9) DIA.
2. DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3. CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	L (IN/MM)
DR808AY72MX	22.23/564.6
DR808D89MX	19.31/490.5

		Part/ Model Number				
		DR808AY72MX	DR808AY66MX	DR808D89MX	CP808FG72MXLR	HLE808AY72MX
Specification	Units	081222	081224	081225	081233	081228
Motor Enclosure - Shaft Mtl.	-	TEFC-CS	TEFC-CS	TEFC-CS	Chem TEFC-SS	TEFC-CS
Horsepower	-	7.5	7.5	5.0	7.5	7.5
Voltage	AC	230/460	575	230/460	230/460	230/460
Phase - Frequency	-	Three-60 hz	Three-60 hz	Three-60 hz	Three-60 hz	Three-60 hz
Insulation Class	-	F	F	F	F	F
NEMA Rated Motor Amps	Amps (A)	17.8/8.9	7.2	17.3-15.6/7.8	17.8/8.9	17.8/8.9
Service Factor	-	1.15	1.15	1.15	1.15	1.15
Max. Blower Amps	Amps (A)	28/14	10.8	14/7	28/14	28/14
Locked Rotor Amps	Amps (A)	120/60	60	152/76	120/60	120/60
NEMA Starter Size	-	1/1	1	1/0	1/1	1/1
Shipping Weight	Lbs	285	242	195	285	301
	Kg	129.3	109.8	88.5	129.3	136.5

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz.** Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz.** All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

AMETEK TECHNICAL & INDUSTRIAL PRODUCTS
75 North Street, Saugerties, NY 12477
USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
Customer Service Fax: +1 215.256.1338
www.ametektip.com

AMETEK
TECHNICAL & INDUSTRIAL PRODUCTS

Industrial / Chemical Processing Blowers

DR 808 & CP 808

ROTRON®

5.0 / 7.5 HP Regenerative Blower

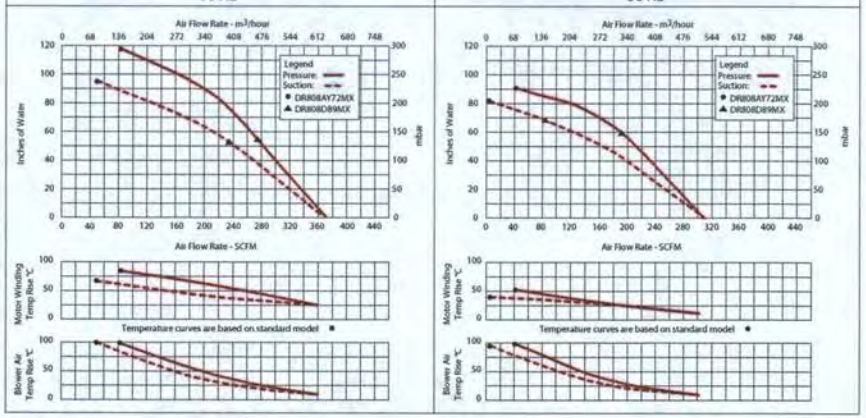
FEATURES
- Manufactured in the USA - ISO 9001 and NAFTA compliant
- **CE compliant - Declaration of Conformity on file**
- **Maximum flow: 375 SCFM**
- Maximum pressure: 120 IWG
- Maximum vacuum: 95 IWG
- Standard motor: 7.5 HP, TEFC
- **Cast aluminum blower housing, impeller & cover; cast iron flanges** (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- **Inlet & outlet internal muffling**
- Quiet operation within OSHA standards

MOTOR OPTIONS
- International voltage & frequency (Hz)
- **Chemical duty, high efficiency, inverter duty or industry-specific designs**
- **Various horsepowers for application-specific needs**

BLOWER OPTIONS
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- **Slip-on or face flanges for additional silencing**
- **Air knives (used on blow-off applications)**
- Variable frequency drive package

ACCESSORIES
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- **Switches - air flow, pressure, vacuum, or temperature**
- **External mufflers for additional silencing**
- **Air knives (used on blow-off applications)**
- Variable frequency drive package

Blower Performance at Standard Conditions



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USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
Customer Service Fax: +1 215.256.1338
www.ametektip.com

AMETEK
TECHNICAL & INDUSTRIAL PRODUCTS

CUSTOMER RECON
PROJECT EL DORADO REFINERY
DATE 07/02/12
JOB # 12-0352

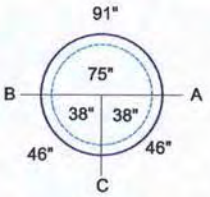
CITY EL DORADO, KS
STORM / SANITARY SANITARY

SERIAL # 12-0352-1-1 48" MH
STA-

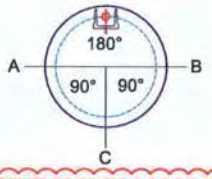
FOR PRODUCTION

REVISION B: 08/13/2012
REVISED STEP DIMENSIONS TO ENSURE STRENGTH

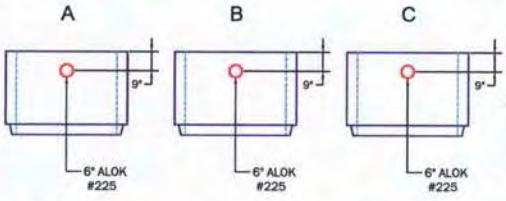
TOP ELEVATION:	1310.97	FLOW LINES					
FLOW LINE	1301.00	A=	6	FL=	1301.00	X=	9
INVERT:	0.50	B=	6	FL=	1301.00	X=	9
DIFFERENCE:	10.47	C=	6	FL=	1301.00	X=	9
		D=		FL=		X=	0
CONE / FLAT TOP:	0.67	E=		FL=		X=	0
ADJUSTMENT:	0.00	RISERS					
CASTING:	0.00		5.0		OTHER:		
DIFFERENCE:	9.80	1	4.0				
OPTIONAL ITEMS		1	3.0		BASE VAR:		2.80
PS1-PF STEPS:	NO		2.5		34"		2'-10"
2 COATS GREY INSIDE	NO	NOTE:					
BLACK WATER REPEL	NO						
ALOK GASKETS	NO						
PCK ___ PPCK ___							
TAG							
REVISION DATE							
APPROVAL							

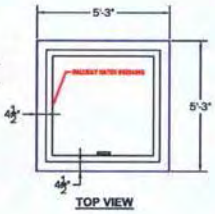


THIS VIEW IS FOR PRODUCTION USE ONLY



CONSTRUCTION NOTE:
MANHOLE TOP TO BE SQUARE STRUCTURE.
SEE TOP VIEW DETAIL





NOTE:
MIDDLE SECTION WILL NOT BE USED DUE TO SHALLOW BEDROCK

WICHITA CONCRETE PIPE COMPANY
Concrete Pipe · Precast Manholes · Storm Sewer Inlets · Junction Boxes · Specialty Items

APPENDIX F
PHOTOGRAPHIC LOG

MWH

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 1

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
3/10/2010

Comments:
MPA Concrete Structures

Photograph ID: 2

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
3/10/2010

Comments:
MPA Concrete Structures

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 3

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
3/10/2010

Comments:
MPA Concrete Structures

Photograph ID: 4

Photo Location:
El Dorado Refinery

Direction:
E

Survey Date:
3/10/2010

Comments:
MPA Concrete Structures

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 5

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
10/19/2010

Comments:
MPA Concrete Demolition

Photograph ID: 6

Photo Location:
El Dorado Refinery

Direction:
E

Survey Date:
10/19/2010

Comments:
MPA Concrete Crushing

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 7

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
10/19/2010

Comments:
MPA Grading

Photograph ID: 8

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
10/19/2010

Comments:
MPA Grading

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 9

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
10/19/2010

Comments:
Marley Pond (pre MPA Basin Construction)

Photograph ID: 10

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
11/17/2010

Comments:
MPA Channel Alignment

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 11

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
12/2/2010

Comments:
MPA Basin

Photograph ID: 12

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
12/15/2010

Comments:
MPA Basin Liner

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 13

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
12/22/2010

Comments:
MPA Basin Liner

Photograph ID: 14

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
5/12/2011

Comments:
MPA Basin

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 15

Photo Location:
El Dorado Refinery

Direction:

Survey Date:
6/14/2011

Comments:
Southeast Pond Closure (Future Stage 3 Wetland)

Photograph ID: 16

Photo Location:
El Dorado Refinery

Direction:

Survey Date:
6/15/2011

Comments:
Southeast Pond Sediments to West Oxidation Pond

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 17

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
6/15/2011

Comments:
Sediment Removal SE Pond

Photograph ID: 18

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
6/22/2011

Comments:
After Sediment Removal SE Pond

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 19

Photo Location:
El Dorado Refinery

Direction:
E

Survey Date:
6/23/2011

Comments:
Aeration Pipe and Curtain in SE Pond

Photograph ID: 20

Photo Location:
El Dorado Refinery

Direction:
W

Survey Date:
7/29/2011

Comments:
Temporary treatment system in place in SE Pond

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 21

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
7/26/2011

Comments:
Polishing Pond and Aeration Ponds (Future Stage 1 and Stage 2 Wetlands)

Photograph ID: 22

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
8/11/2011

Comments:
Polishing Pond and Aeration Ponds Closure (Future Stage 1 and Stage 2 Wetlands)

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 23

Photo Location:
El Dorado Refinery

Direction:
NW

Survey Date:
8/23/2011

Comments:
Polishing Pond and Aeration Ponds Closure (Future Stage 1 and Stage 2 Wetlands)

Photograph ID: 24

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
8/26/2011

Comments:
Polishing Pond and Aeration Ponds Closure (Future Stage 1 and Stage 2 Wetlands)

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 25

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
8/30/2011

Comments:
Polishing Pond and Aeration Ponds Closure (Future Stage 1 and Stage 2 Wetlands)

Photograph ID: 26

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
9/7/2011

Comments:
Polishing Pond and Aeration Ponds Closure (Future Stage 1 and Stage 2 Wetlands)

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 27

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
10/13/2011

Comments:
Stage 1 Wetland Construction

Photograph ID: 28

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
11/10/2011

Comments:
Stage 1 Wetland Construction

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 29

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
11/17/2011

Comments:
Stage 1 Wetland Construction

Photograph ID: 30

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
6/27/2012

Comments:
Stage 1 Wetland

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 31

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
10/5/2011

Comments:
Stage 2 Wetland Construction

Photograph ID: 32

Photo Location:
El Dorado Refinery

Direction:
E

Survey Date:
10/21/2011

Comments:
Stage 2 Wetland Construction

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 33

Photo Location:
El Dorado Refinery

Direction:
NE

Survey Date:
11/1/2011

Comments:
Stage 2 Wetland Planting

Photograph ID: 34

Photo Location:
El Dorado Refinery

Direction:
SW

Survey Date:
10/3/2012

Comments:
Stage 2 Wetland

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 35

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
10/18/2012

Comments:
Stage 3 Wetland Construction

Photograph ID: 36

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
11/15/2012

Comments:
Stage 3 Wetland Planting

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 37

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
11/16/2012

Comments:
Stage 3 Wetland

Photograph ID: 38

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
3/4/2013

Comments:
Stage 3 Wetland

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 39

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
5/14/2012

Comments:
Asphalt Handling Area

Photograph ID: 40

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
6/14/2012

Comments:
Asphalt Handling Area

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 41

Photo Location:
El Dorado Refinery

Direction:
SE

Survey Date:
6/18/2012

Comments:
Asphalt Handling Area

Photograph ID: 42

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
6/22/2012

Comments:
Asphalt Handling Area

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 43

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
7/18/2012

Comments:
Asphalt Handling Area

Photograph ID: 44

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
7/23/2012

Comments:
Asphalt Handling Area

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 45

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
7/27/2012

Comments:
Asphalt Handling Area

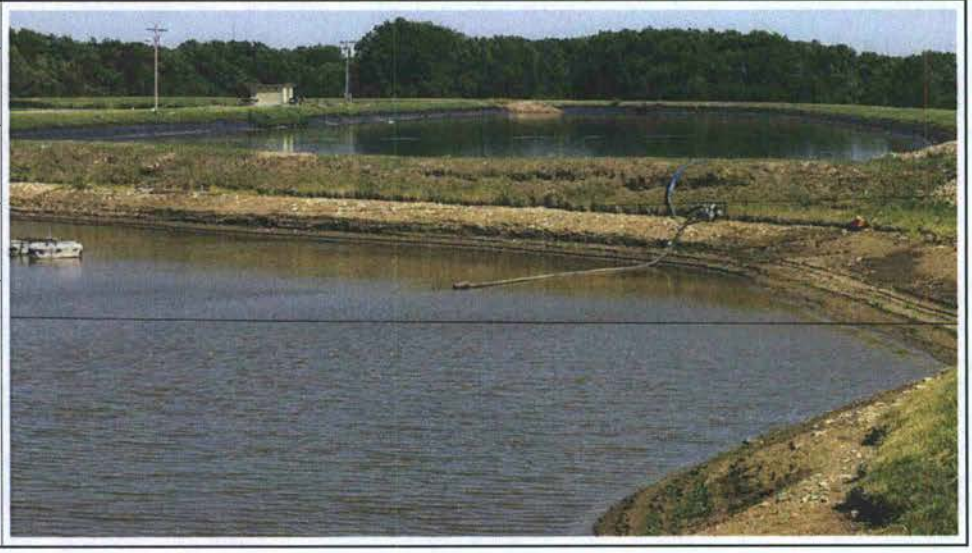
Photograph ID: 46

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
6/13/2011

Comments:
Primary Pond and West Oxidation Pond



Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 47

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
8/29/2011

Comments:
Primary Pond and West Oxidation Pond

Photograph ID: 48

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
3/28/2012

Comments:
Primary Pond and West Oxidation Pond Stabilization

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 49

Photo Location:
El Dorado Refinery

Direction:
NW

Survey Date:
5/9/2012

Comments:
West Oxidation Pond Stabilization

Photograph ID: 50

Photo Location:
El Dorado Refinery

Direction:
E

Survey Date:
5/18/2012

Comments:
West Oxidation Pond Stabilization

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 51

Photo Location:
El Dorado Refinery

Direction:
NW

Survey Date:
5/30/2012

Comments:
West Oxidation Pond Stabilization

Photograph ID: 52

Photo Location:
El Dorado Refinery

Direction:
N

Survey Date:
7/2/2012

Comments:
West Oxidation Pond Stabilization

MWH

Photographic Log

Client:	**El Paso Merchant Energy-Petroleum Company**	**Project:**	**Interim Measures Construction Completion**
Site Name:	**El Dorado Refinery**	**Site Location:**	**El Dorado, Kansas**

Photograph ID: 53

Photo Location:
El Dorado Refinery

Direction:
S

Survey Date:
12/4/2012

Comments:
Clay Cap completed over Primary Pond and West Oxidation Pond

APPENDIX G

LABORATORY ANALYTICAL REPORTS

MWH

e-Hardcopy 2.0
Automated Report

Southeast ACCUTEST LABORATORIES

05/14/13

Technical Report for

EL PASO CORPORATION

MWHKSW: El Dorado AHA Study, El Dorado, KS

1009451.040102

Accutest Job Number: F78258

Sampling Date: 11/19/10

Report to:

MWH-Kansas

Cristy.Philips@us.mwhglobal.com

ATTN: Cristy Philips

Total number of pages in report: 30

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (364), IL (200083), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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1

Accutest LabLink@141848 12:44 14-May-2013

Sample Summary

EL PASO CORPORATION

Job No: F78258

MWHKSW: El Dorado AHA Study, El Dorado, KS
Project No: 1009451.040102

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F78258-1	11/19/10	13:00 BB	11/21/10	SO	Soil	AS-COMP-01 (0.5-1.0)
F78258-1A	11/19/10	13:00 BB	11/21/10	SO	Soil	AS-COMP-01 (0.5-1.0)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EL PASO CORPORATION **Job** F78258

Site: MWHKSW: El Dorado AHA Study, El Dorado, KS **Report Date:** 12/9/2010 5:52:47 PM

1 Samples was collected on 11/19/2010 and was received at Accutest SE on 11/21/2010 properly preserved, at 2.8 Deg. C and intact. The Sample received an Accutest job number of F78258. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: LEACHATE **Batch ID:** VN1929

All samples were analyzed within the recommended method holding time.
Samples F78258-1AMS, F78258-1AMSD were used as the QC samples indicated.
Blank Spike Recovery for Toluene is outside control limits.
Samples F78258-1A have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method

Matrix: SO **Batch ID:** VG2588

All samples were analyzed within the recommended method holding time.
Samples F78271-1MS, F78271-1MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Matrix Spike Recoverys for Methyl ethyl ketone, Naphthalene, Styrene are outside control limits. Probable cause due to matrix interference.
Matrix Spike Duplicate Recoverys for 1,2-Dibromoethane, Carbon disulfide, Chlorobenzene, Ethylbenzene, Methyl ethyl ketone, Naphthalene, Styrene, Tetrachloroethylene, Toluene, Xylene (total) are outside control limits. Probable cause due to matrix interference.
RPDs for MSD for Chlorobenzene, Ethylbenzene, Styrene, Tetrachloroethylene, Toluene, Xylene (total) are outside control limits for sample F78271-1MSD. Probable cause due to sample non-homogeneity.
F78258-1: Sample was received in a bulk container but was not preserved within 48 hours of sampling.

Extractables by GCMS by Method SW846 8270D

Matrix: LEACHATE **Batch ID:** OP35185

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Samples F78258-1AMS, F78258-1AMSD were used as the QC samples indicated.
RPD for MSD for 4-Nitrophenol is outside control limits for sample OP35185-MSD. Probable cause due to sample non-homogeneity.
Samples F78258-1, OP35185-MSD have surrogates outside control limits. Probable cause due to matrix interference.
OP35185-MSD for Phenol-d5: Sporadic marginal failure.

Matrix: SO **Batch ID:** OP35166

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
Samples F78267-4MS, F78267-4MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Blank Spike Recoverys for Dibenzo(a,h)anthracene, Pyridine are outside control limits.
Samples F78258-1, OP35185-MSD have surrogates outside control limits. Probable cause due to matrix interference.
F78258-1: Dilution required due to matrix interference; extract was viscous.

Thursday, December 09, 2010

Extractables by GCMS by Method SW846 8270D

Matrix: SO **Batch ID:** OP35166

F78258-1 for Terphenyl-d14: Outside control limits due to dilution.

F78258-1 for 2-Fluorophenol: Outside control limits due to dilution

F78258-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution

F78258-1 for 2-Fluorobiphenyl: Outside control limits due to dilution

F78258-1 for 2-Fluorophenol: Outside control limits due to dilution

F78258-1 for Phenol-d5: Outside control limits due to dilution.

F78258-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

F78258-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.

F78258-1 for Phenol-d5. Outside control limits due to dilution.

F78258-1 for Terphenyl-d14: Outside control limits due to dilution.

F78258-1 for Nitrobenzene-d5. Outside control limits due to dilution

F78258-1 for Nitrobenzene-d5: Outside control limits due to dilution

Extractables by GCMS by Method SW846 8270D BY SIM

Matrix: LEACHATE **Batch ID:** OP35186

All samples were extracted within the recommended method holding time

All samples were analyzed within the recommended method holding time

All method blanks for this batch meet method specific criteria

Samples F78258-1AMS, F78258-1AMSD were used as the QC samples indicated.

Samples F78258-1, OP35181-MS, OP35181-MSD have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** OP35181

All samples were extracted within the recommended method holding time

All samples were analyzed within the recommended method holding time

Samples F78258-1MS, F78258-1MSD were used as the QC samples indicated

All method blanks for this batch meet method specific criteria

Matrix Spike Recoverys for 1-Methylnaphthalene, Anthracene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Naphthalene, Phenanthrene, Benzo(b)fluoranthene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recoverys for 1-Methylnaphthalene, Anthracene, Fluoranthene, Naphthalene are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recoverys for Benzo(a)anthracene, Benzo(a)pyrene, Chrysene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount

RPDs for MSD for Benzo(a)pyrene, Benzo(k)fluoranthene, Chrysene are outside control limits for sample OP35181-MSD Spike recovery indicates possible matrix interference and or sample nonhomogeneity

Samples F78258-1, OP35181-MS, OP35181-MSD have surrogates outside control limits Probable cause due to matrix interference.

F78258-1: Dilution required due to matrix interference; extract was viscous

OP35181-MS: Spike recovery indicates possible matrix interference and/or sample nonhomogeneity

OP35181-MSD Spike recovery indicates possible matrix interference and or sample nonhomogeneity

F78258-1 for Terphenyl-d14: Outside control limits due to dilution

OP35181-MSD for Terphenyl-d14. Outside control limits due to dilution

F78258-1 for 2-Fluorobiphenyl. Outside control limits due to dilution.

OP35181-MSD for 2-Fluorobiphenyl: Outside control limits due to dilution.

OP35181-MSD for Nitrobenzene-d5. Outside control limits due to dilution

OP35181-MS for Terphenyl-d14: Outside control limits due to dilution

OP35181-MS for Nitrobenzene-d5: Outside control limits due to dilution.

OP35181-MS for 2-Fluorobiphenyl: Outside control limits due to dilution.

F78258-1 for Nitrobenzene-d5. Outside control limits due to dilution

Thursday, December 09, 2010

Volatiles by GC by Method SW846 8015C

Matrix: SO **Batch ID:** GQR2481

All samples were analyzed within the recommended method holding time

Samples F78195-1MS, F78195-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F78258-1: Sample was received in a bulk container but was not preserved within 48 hours of sampling

Extractables by GC by Method SW846 8015C

Matrix: LEACHATE **Batch ID:** OP35191

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time

All method blanks for this batch meet method specific criteria.

Samples F78258-1AMS, F78258-1AMSD were used as the QC samples indicated

Sample F78258-1 has surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** OP35160

All samples were extracted within the recommended method holding time

All samples were analyzed within the recommended method holding time

Samples F78270-1MS, F78270-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria

Sample F78258-1 has surrogates outside control limits Probable cause due to matrix interference.

F78258-1 for TPH (C10-C28) Petroleum hydrocarbon pattern extends beyond C28

F78258-1 for o-Terphenyl Outside control limits due to dilution

Metals by Method SW846 6010C

Matrix: LEACHATE **Batch ID:** MP19553

All samples were digested within the recommended method holding time

All samples were analyzed within the recommended method holding time

All method blanks for this batch meet method specific criteria

Samples F78258-1ADUP, F78258-1AMS, F78258-1AMSD, F78258-1ASDL were used as the QC samples for metals

RPD for Duplicate for Chromium is outside control limits for sample MP19553-D1. RPD acceptable due to low duplicate and sample concentrations

RPD for Serial Dilution for Lead is outside control limits for sample MP19553-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Matrix: SO **Batch ID:** MP19532

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F78274-1MS, F78274-1MSD, F78274-1PS, F78274-1SDL, F78274-1DUP were used as the QC samples for metals.

Matrix Spike Recovery for Lead is outside control limits Spike amount low relative to the sample amount Refer to lab control or spike blank for recovery information

RPDs for Duplicate for Cadmium, Selenium are outside control limits for sample MP19532-D1. High RPD due to possible sample nonhomogeneity.

MP19532-D1 for Selenium: RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Selenium, Silver, Arsenic, Lead are outside control limits for sample MP19532-SD1 Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

MP19532-SD1 for Arsenic, Lead: Serial dilution indicates possible matrix interference.

F78258-1 for Chromium: Elevated reporting limit(s) due to matrix interference

F78258-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

F78258-1 for Lead Elevated reporting limit(s) due to matrix interference

MP19532-PS1 for Lead. Spike recovery indicates matrix interference and or outside control limits due to high level in sample relative to spike amount

Thursday, December 09, 2010

Metals by Method SW846 7470A

Matrix: LEACHATE **Batch ID:** MP19548

All samples were digested within the recommended method holding time

All samples were analyzed within the recommended method holding time

All method blanks for this batch meet method specific criteria

Samples F78258-1AMS, F78258-1AMSD, F78258-1ASDL, F78258-1ADUP were used as the QC samples for metals.

RPD for Duplicate for Mercury is outside control limits for sample MP19548-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD for Serial Dilution for Mercury is outside control limits for sample MP19548-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Metals by Method SW846 7471B

Matrix: SO **Batch ID:** MP19559

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time

All method blanks for this batch meet method specific criteria.

Samples F78258-1MS, F78258-1MSD, F78258-1SDL, F78258-1DUP were used as the QC samples for metals.

RPD for Duplicate for Mercury is outside control limits for sample MP19559-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD for Serial Dilution for Mercury is outside control limits for sample MP19559-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry by Method SM19 2540G

Matrix: SO **Batch ID:** GN42313

Sample F78214-1DUP was used as the QC sample for Solids, Percent

Wet Chemistry by Method SW846 1010

Matrix: SO **Batch ID** GN42348

Sample F78206-6DUP was used as the QC sample for Ignitability (Flashpoint)

F78258-1 for Ignitability (Flashpoint): Not ignitable

Wet Chemistry by Method SW846 9095

Matrix: SO **Batch ID:** GN42354

Sample F78258-1DUP was used as the QC sample for Paint Filter Test

F78258-1 for Paint Filter Test: contains no free liquid

Wet Chemistry by Method SW846 CHAP7

Matrix: SO **Batch ID:** GP16038

All samples were prepped within the recommended method holding time

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample F78206-6DUP was used as the QC sample for Cyanide Reactivity

Matrix: SO **Batch ID:** GP16041

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria

Blank Spike Recovery for Sulfide Reactivity is outside control limits

F78258-1 for Sulfide Reactivity. No matrix QC analyzed due to limited volume of sample

Thursday, December 09, 2010

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Ellen Pampel, Inorganic QA (signature on file)

Date: December 9, 2010

Thursday, December 09, 2010

Summary of Hits

Job Number: F78258
Account: EL PASO CORPORATION
Project: MWHKSW: El Dorado AHA Study, El Dorado, KS
Collected: 11/19/10

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F78258-1	**AS-COMP-01 (0.5-1.0)**					
Ethylbenzene [a]		2.7 J	6.7	1.3	ug/kg	SW846 8260B
Naphthalene [a]		8.3	6.7	2.7	ug/kg	SW846 8260B
Toluene [a]		2.3 J	6.7	1.6	ug/kg	SW846 8260B
Xylene (total) [a]		8.6 J	20	4.3	ug/kg	SW846 8260B
Benzo(a)anthracene [b]		17100 J	44000	4400	ug/kg	SW846 8270D
Benzo(a)pyrene [b]		10200 J	44000	4400	ug/kg	SW846 8270D
Chrysene [b]		30600 J	44000	4400	ug/kg	SW846 8270D
Phenanthrene [b]		8450 J	44000	4400	ug/kg	SW846 8270D
Pyrene [b]		22100 J	44000	4400	ug/kg	SW846 8270D
Benzo(a)anthracene [b]		1740	880	220	ug/kg	SW846 8270D BY SIM
Benzo(a)pyrene [b]		1620	880	220	ug/kg	SW846 8270D BY SIM
Benzo(b)fluoranthene [b]		797 J	880	220	ug/kg	SW846 8270D BY SIM
Chrysene [b]		1980	880	220	ug/kg	SW846 8270D BY SIM
Dibenzo(a,h)anthracene [b]		277 J	880	220	ug/kg	SW846 8270D BY SIM
Pyrene [b]		2890 J	4400	1100	ug/kg	SW846 8270D BY SIM
TPH-GRO (C6-C10) [a]		7.37 J	8.9	4.4	mg/kg	SW846 8015C
TPH (C10-C28) [c]		1600	540	220	mg/kg	SW846 8015C
Arsenic		3.4	0.46	0.092	mg/kg	SW846 6010C
Barium		98.2	9.2	0.46	mg/kg	SW846 6010C
Cadmium		1.3	0.18	0.046	mg/kg	SW846 6010C
Chromium [d]		24.2	4.6	0.46	mg/kg	SW846 6010C
Lead [d]		121	4.6	0.23	mg/kg	SW846 6010C
Mercury		0.13	0.11	0.011	mg/kg	SW846 7471B
Corrosivity as pH		7.8			su	SW846 CHAP7
Ignitability (Flashpoint) [e]		> 200			Deg. F	SW846 1010
F78258-1A	**AS-COMP-01 (0.5-1.0)**					
Carbon disulfide		0.0034	0.0020	0.00050	mg/l	SW846 8260B
Ethylbenzene		0.00037 JB	0.0010	0.00020	mg/l	SW846 8260B
Methylene chloride		0.0026 J	0.0050	0.0020	mg/l	SW846 8260B
Toluene		0.00025 JB	0.0010	0.00020	mg/l	SW846 8260B
Diethyl phthalate		0.0011 J	0.0050	0.0011	mg/l	SW846 8270D
Benzo(a)anthracene		0.000044 J	0.00020	0.000040	mg/l	SW846 8270D BY SIM
Chrysene		0.000061 J	0.00020	0.000040	mg/l	SW846 8270D BY SIM
Pyrene		0.00029 J	0.0010	0.00025	mg/l	SW846 8270D BY SIM
Barium		0.036 J	1.0	0.0050	mg/l	SW846 6010C
Chromium		0.0065 J	0.010	0.0010	mg/l	SW846 6010C
Lead		0.0086 J	0.050	0.0010	mg/l	SW846 6010C
Mercury		0.0024 J	0.010	0.00050	mg/l	SW846 7470A

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.
(b) Dilution required due to matrix interference; extract was viscous.

Summary of Hits

Job Number: F78258
Account: EL PASO CORPORATION
Project: MWHKSW: El Dorado AHA Study, El Dorado, KS
Collected: 11/19/10

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(c) Petroleum hydrocarbon pattern extends beyond C28.
(d) Elevated reporting limit(s) due to matrix interference.
(e) Not ignitable

Section 4

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@141848 12:44 14-May-2013

Report of Analysis

Client Sample ID: AS-COMP-01 (0.5-1.0)
Lab Sample ID: F78258-1
Matrix: SO - Soil
Method: SW846 8260B SW846 5030A
Project: MWHKSW: El Dorado AHA Study, El Dorado, KS
Date Sampled: 11/19/10
Date Received: 11/21/10
Percent Solids: 75.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0068749.D	1	11/29/10	MM	11/23/10 13:31	n/a	VG2588
Run #2							

	Initial Weight
Run #1	4.93 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	6.7	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
67-66-3	Chloroform	ND	6.7	1.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	270	75	ug/kg	
100-41-4	Ethylbenzene	2.7	6.7	1.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	33	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	2.7	ug/kg	
91-20-3	Naphthalene	8.3	6.7	2.7	ug/kg	
100-42-5	Styrene	ND	6.7	3.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
108-88-3	Toluene	2.3	6.7	1.6	ug/kg	J
79-01-6	Trichloroethylene	ND	6.7	1.6	ug/kg	
1330-20-7	Xylene (total)	8.6	20	4.3	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	102%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	U022633.D	20	11/30/10	NAF	11/23/10	OP35166	SU1079
Run #2 [a]	X015371.D	20	11/28/10	NAF	11/23/10	OP35166	SX766

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2	30.2 g	10.0 ml

ABN SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	ND	220000	61000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	44000	5500	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	220000	87000	ug/kg	
95-48-7	2-Methylphenol	ND	44000	4400	ug/kg	
	3&4-Methylphenol	ND	44000	6300	ug/kg	
100-02-7	4-Nitrophenol	ND	220000	35000	ug/kg	
108-95-2	Phenol	ND	44000	4400	ug/kg	
83-32-9	Acenaphthene	ND [b]	44000	4400	ug/kg	
120-12-7	Anthracene	ND	44000	4400	ug/kg	
56-55-3	Benzo(a)anthracene	17100	44000	4400	ug/kg	J
50-32-8	Benzo(a)pyrene	10200	44000	4400	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	44000	4400	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	44000	4400	ug/kg	
218-01-9	Chrysene	30600	44000	4400	ug/kg	J
95-50-1	1,2-Dichlorobenzene	ND	44000	8700	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	44000	8700	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	44000	8700	ug/kg	
226-36-8	Dibenz(a,h)acridine	ND	44000	14000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	44000	4400	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	87000	17000	ug/kg	
84-66-2	Diethyl phthalate	ND	87000	17000	ug/kg	
131-11-3	Dimethyl phthalate	ND	44000	8700	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	87000	17000	ug/kg	
206-44-0	Fluoranthene	ND	44000	4400	ug/kg	
86-73-7	Fluorene	ND [b]	44000	4400	ug/kg	
95-13-6	Indene	ND	87000	15000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND [b]	44000	4400	ug/kg	
90-12-0	1-Methylnaphthalene	ND	44000	4400	ug/kg	
91-20-3	Naphthalene	ND	44000	7000	ug/kg	
85-01-8	Phenanthrene	8450	44000	4400	ug/kg	J
129-00-0	Pyrene	22100	44000	4400	ug/kg	J
110-86-1	Pyridine	ND	87000	17000	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

ABN SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-22-5	Quinoline	ND	44000	16000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	0% [c]	0% [c]	40-102%
4165-62-2	Phenol-d5	0% [c]	0% [c]	41-100%
118-79-6	2,4,6-Tribromophenol	0% [c]	0% [c]	42-108%
4165-60-0	Nitrobenzene-d5	0% [c]	0% [c]	40-105%
321-60-8	2-Fluorobiphenyl	0% [c]	0% [c]	43-107%
1718-51-0	Terphenyl-d14	0% [c]	0% [c]	45-119%

(a) Dilution required due to matrix interference; extract was viscous
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8270D BY SIM SW846 3550C	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	R25665.D	10	11/30/10	ME	11/24/10	OP35181	SR1253
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

SKINR PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
120-12-7	Anthracene	ND	4400	1100	ug/kg	
56-55-3	Benzo(a)anthracene	1740	880	220	ug/kg	
50-32-8	Benzo(a)pyrene	1620	880	220	ug/kg	
205-99-2	Benzo(b)fluoranthene	797	880	220	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	880	220	ug/kg	
218-01-9	Chrysene	1980	880	220	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	277	880	220	ug/kg	J
206-44-0	Fluoranthene	ND	4400	1100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4400	1800	ug/kg	
91-20-3	Naphthalene	ND	4400	1800	ug/kg	
85-01-8	Phenanthrene	ND	4400	1100	ug/kg	
129-00-0	Pyrene	2890	4400	1100	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [b]		40-105%
321-60-8	2-Fluorobiphenyl	0% [b]		43-107%
1718-51-0	Terphenyl-d14	0% [b]		45-119%

(a) Dilution required due to matrix interference; extract was viscous
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8015C SW846 5030A	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR057072.D	1	11/29/10	AH	11/23/10 13:31	n/a	GQR2481
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.54 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.37	8.9	4.4	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	62%		56-136%
98-08-8	aaa-Trifluorotoluene	71%		61-121%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.1 4

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
Method:	SW846 8015C SW846 3550C	Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY18837.D	50	11/24/10	FEA	11/23/10	OP35160	GYY679
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	1600	540	220	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [b]		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.1 4

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
		Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	0.46	0.092	mg/kg	1	11/23/10	11/23/10	RS	SW846 6010C [1]	SW846 3050B [4]
Barium	98 2	9.2	0.46	mg/kg	1	11/23/10	11/23/10	RS	SW846 6010C [1]	SW846 3050B [4]
Cadmium	1.3	0.18	0.046	mg/kg	1	11/23/10	11/23/10	RS	SW846 6010C [1]	SW846 3050B [4]
Chromium [a]	24.2	4.6	0.46	mg/kg	10	11/23/10	11/24/10	RS	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	121	4.6	0 23	mg/kg	5	11/23/10	11/24/10	RS	SW846 6010C [2]	SW846 3050B [4]
Mercury	0 13	0.11	0.011	mg/kg	1	11/30/10	11/30/10	LM	SW846 7471B [3]	SW846 7471B [3]
Selenium [a]	1.8 U	9.2	1.8	mg/kg	10	11/23/10	11/24/10	RS	SW846 6010C [2]	SW846 3050B [4]
Silver	0.046 U	0.46	0.046	mg/kg	1	11/23/10	11/23/10	RS	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA8530
(2) Instrument QC Batch: MA8534
(3) Instrument QC Batch: MA8542
(4) Prep QC Batch: MP19532
(5) Prep QC Batch: MP19559

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

4.1 4

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
		Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.8		su	1	11/23/10 09.25	TC	SW846 CHAP7
Cyanide Reactivity	< 1 5	1.5	mg/kg	1	11/23/10	CP	SW846 CHAP7
Ignitability (Flashpoint) [a]	> 200		Deg. F	1	11/24/10	CP	SW846 1010
Paint Filter Test [b]	< 0.50	0.50	ml/100g	1	11/24/10	LE	SW846 9095
Solids, Percent	75.8		%	1	11/22/10	TC	SM19 2540G
Sulfide Reactivity [c]	< 66	66	mg/kg	1	11/23/10	LE	SW846 CHAP7

(a) Not ignitable
(b) contains no free liquid
(c) No QC analyzed due to limited volume of sample.

RL = Reporting Limit

Report of Analysis

4.2 4

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
Method:	SW846 8260B SW846 1311	Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0047539.D	1	12/02/10	MM	11/23/10	OP35158	VN1929
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0 025	0 010	mg/l	
71-43-2	Benzene	ND		0.0010	0 00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0 00020	mg/l	
108-90-7	Chlorobenzene	ND		0 0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0034		0 0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0 00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0 0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00037		0.0010	0.00020	mg/l	JB
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0 0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0 0026		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.00025		0.0010	0.00020	mg/l	JB
79-01-6	Trichloroethylene	ND		0 0010	0 00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
Method:	SW846 8260B SW846 1311	Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	ND		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
Method:	SW846 8270D SW846 3510C	Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X015399.D	1	11/29/10	MG	11/26/10	OP35185	SX767
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	ND		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	ND		0.0050	0.00050	mg/l	
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	ND		0.0050	0.00050	mg/l	
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
Method:	SW846 8270D SW846 3510C	Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	ND		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	0.0011		0.0050	0.0011	mg/l	J
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	ND		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	ND		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	ND		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	ND		0.0050	0.00050	mg/l	
129-00-0	Pyrene	ND		0.0050	0.00050	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	85%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	Date Sampled:	11/19/10
Matrix:	SO - Soil	Date Received:	11/21/10
Method:	SW846 8270D SW846 3510C	Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R25662.D	1	11/30/10	ME	11/26/10	OP35186	SR1253
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SKINR PAH List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
120-12-7	Anthracene	ND		0.0010	0.00025	mg/l	
56-55-3	Benzo(a)anthracene	0.000044		0.00020	0.000040	mg/l	J
50-32-8	Benzo(a)pyrene	ND		0.00020	0.000045	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.00020	0.000040	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.00020	0.000040	mg/l	
218-01-9	Chrysene	0.000061		0.00020	0.000040	mg/l	J
53-70-3	Dibenzo(a,h)anthracene	ND		0.00020	0.000040	mg/l	
206-44-0	Fluoranthene	ND		0.0010	0.00025	mg/l	
90-12-0	1-Methylnaphthalene	ND		0.0010	0.00040	mg/l	
91-20-3	Naphthalene	ND		0.0010	0.00040	mg/l	
85-01-8	Phenanthrene	ND		0.0010	0.00025	mg/l	
129-00-0	Pyrene	0.00029		0.0010	0.00025	mg/l	J

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8015C SW846 1311	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD100897.D	1	11/29/10	WV	11/23/10	OP35157	GCD4166
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		57-129%
98-08-8	aaa-Trifluorotoluene	73%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY18863.D	1	11/29/10	MV	11/26/10	OP35191	GYY680
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	ND		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS-COMP-01 (0.5-1.0)		
Lab Sample ID:	F78258-1A	**Date Sampled:**	11/19/10
Matrix:	SO - Soil	**Date Received:**	11/21/10
		Percent Solids:	75.8
Project:	MWHKSW: El Dorado AHA Study, El Dorado, KS		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.0020 U		0.050	0.0020	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]
Barium	0.036 J		1.0	0.0050	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]
Cadmium	0.0010 U		0.0050	0.0010	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]
Chromium	0.0065 J		0.010	0.0010	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]
Lead	0.0086 J		0.050	0.0010	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]
Mercury	0.0024 J		0.010	0.00050	mg/l	1	11/29/10	11/29/10	LM	SW846 7470A [1]
Selenium	0.0020 U		0.050	0.0020	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]
Silver	0.0010 U		0.010	0.0010	mg/l	1	11/29/10	11/29/10	RS	SW846 6010C [2]

(1) Instrument QC Batch: MA8535
(2) Instrument QC Batch: MA8538
(3) Prep QC Batch: MP19548
(4) Prep QC Batch: MP19553

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VineLand Road • Suite C-15
Orlando, FL 32811
Tel: 407-425-6700 • Fax: 407-425-0707

ACCUTEST JOB #: F78258
ACCUTEST QUOTE #:

CLIENT INFORMATION
NAME: MWH / El Paso
ADDRESS: 5200 E. 34th St. N.
CITY: Wichita STATE: KS ZIP: 67226
SEND REPORT TO: Doris Mick
PHONE #: 316-634-6229

FACILITY INFORMATION
PROJECT NAME: El Dorado Asphalt/Soil Pile
LOCATION: El Dorado
PROJECT NO.: 0094451.040102
PO #: MC-MWH-11-15-10-CAP-01-El Dorado
FAX #: (316) 634-7271

ANALYTICAL INFORMATION / MATRIX CODES

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY	MATRIX	# CONT.	PRESERVATION	SW-846, 6010B, 6020	SW-846 6020 Metals	SW-846 7196-DW	7196-DW	SW-846 8260B	SW-846 8260B-SVOC	Sieve, Sieve/Hydrometer	Atterberg Limits	Moisture Content	Permeability	Atterberg Limits	Proctor	LAB USE ONLY
1	AS-COMP-01(0.5-1.0)	11/19/10	1170	BB	SOIL	4		X	X	X	X	X	X	X	X	X	X	X	X	

NOTE: This sample should be analyzed for same constituents as was done on job # F67875. Please see attached & email Dr. Mick: 11/19/2010.

DATA TURNAROUND INFORMATION
☐ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☒ OTHER (7-Day)
APPROVED BY:
EMERGENCY or RUSH-RING DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION
☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☒ OTHER (SPECIFY) As discussed

COMMENTS/REMARKS
See ACF for complete list of analysis. Call Doris Mick @ 316-634-6229 w/any questions

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

RELINQUISHED BY: SAMPLER	DATE/TIME	RECEIVED BY	RELINQUISHED BY	DATE/TIME	RECEIVED BY
1. [signature]	11/19/10	1. [signature]	2. [signature]	11/19/10	2. [signature]
3.		3.	4.		4.
5.		5.			

SEAL # | PRESERVE WHERE APPLICABLE | ON ICE | TEMPERATURE 3.1 C

e-Hardcopy 2.0
Automated Report

Southeast ACCUTEST LABORATORIES

Reissue #1
02/15/12

Technical Report for

Remedial Construction Services

El Paso Phase II/2-3529; TX

Accutest Job Number: F88874

Sampling Dates: 12/07/11 - 12/09/11

Report to:

Remedial Construction Services

matt.meyers@reconservices.com

ATTN: Matt Meyers

Total number of pages in report: **87**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

ACCUTEST LABORATORIES

February 15, 2012

Mr. Matt Meyers
Remedial Construction Services
9977 W Sam Houston Pkwy
Houston, TX 77064

RE: Accutest job F88874 Reissue

Dear Mr. Meyers,

The final report for job number F88874 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

The report has been revised to include the TMB compounds in the VOC list per your request.

Accutest apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

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Accutest Laboratories

Sample Summary

Remedial Construction Services

El Paso Phase II/2-3529; TX

Job No: F88874

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F88874-1	12/07/11	16:00	JR	12/20/11	SO	Sludge	ELDKS-STABPLT-120A
F88874-2	12/07/11	16:00	JR	12/20/11	SO	Sludge	ELDKS-STABPLT-120B
F88874-3	12/09/11	16:00	JR	12/20/11	SO	Sludge	ELDKS-STABPLT-100C
F88874-4	12/09/11	16:00	JR	12/20/11	SO	Sludge	ELDKS-STABPLT-100D

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Southeast ACCUTEST LABORATORIES

2

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

2.1 2

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z2917.D	1	01/06/12	KW	12/23/11	OP39931	VZ141
Run #2	Z2921.D	5	01/06/12	KW	12/23/11	OP39931	VZ141

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.010	mg/l	
71-43-2	Benzene	0.0031		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.00061		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0294		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone [a]	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0086		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone [a]	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0166		0.0020	0.00027	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0042		0.0020	0.00021	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

2.1 2

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-88-3	Toluene	0.159 [b]		0.0050	0.0010	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0906		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	76-127%
2037-26-5	Toluene-D8	101%	104%	86-112%
460-00-4	4-Bromofluorobenzene	97%	100%	84-120%

(a) Associated BS recovery outside control limits
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

2.1 2

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U029620.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.10	0.020	mg/l	
95-57-8	2-Chlorophenol	ND		0.010	0.0010	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.010	0.0010	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.010	0.0010	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.010	0.0022	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.050	0.020	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.020	0.0040	mg/l	
95-48-7	2-Methylphenol	ND		0.010	0.0011	mg/l	
	3&4-Methylphenol	ND		0.010	0.0022	mg/l	
88-75-5	2-Nitrophenol	ND		0.010	0.0011	mg/l	
100-02-7	4-Nitrophenol	ND		0.050	0.010	mg/l	
87-86-5	Pentachlorophenol	ND		0.050	0.011	mg/l	
108-95-2	Phenol	ND		0.010	0.0010	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.010	0.0010	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.010	0.0010	mg/l	
83-32-9	Acenaphthene	0.0107		0.010	0.0010	mg/l	
208-96-8	Acenaphthylene	ND		0.010	0.0010	mg/l	
120-12-7	Anthracene	0.0017		0.010	0.0010	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.010	0.0010	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.010	0.0010	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.010	0.0010	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.010	0.0010	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.010	0.0010	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.010	0.0010	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.010	0.0022	mg/l	
100-51-6	Benzyl Alcohol	ND		0.010	0.0020	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.010	0.0010	mg/l	
106-47-8	4-Chloroaniline	ND		0.010	0.0010	mg/l	
86-74-8	Carbazole	0.0083		0.010	0.0010	mg/l	J
218-01-9	Chrysene	ND		0.010	0.0010	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.010	0.0010	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.010	0.0011	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.010	0.0011	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.010	0.0010	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.010	0.0020	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.010	0.0020	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.010	0.0020	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.010	0.0010	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.010	0.0010	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.020	0.0020	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.010	0.0010	mg/l	
132-64-9	Dibenzofuran	0.0072		0.010	0.0010	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.010	0.0017	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.010	0.0022	mg/l	
84-66-2	Diethyl phthalate	ND		0.010	0.0022	mg/l	
131-11-3	Dimethyl phthalate	ND		0.010	0.0020	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.010	0.0022	mg/l	
206-44-0	Fluoranthene	ND		0.010	0.0010	mg/l	
86-73-7	Fluorene	0.0081		0.010	0.0010	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.010	0.0011	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.010	0.0020	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.020	0.0038	mg/l	
67-72-1	Hexachloroethane	ND		0.010	0.0020	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.010	0.0010	mg/l	
78-59-1	Isophorone	ND		0.010	0.0010	mg/l	
91-57-6	2-Methylnaphthalene	0.0375		0.010	0.0011	mg/l	
88-74-4	2-Nitroaniline	ND		0.010	0.0010	mg/l	
99-09-2	3-Nitroaniline	ND		0.010	0.0010	mg/l	
100-01-6	4-Nitroaniline	ND		0.010	0.0010	mg/l	
91-20-3	Naphthalene	0.163		0.010	0.0016	mg/l	
98-95-3	Nitrobenzene	ND		0.010	0.0012	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.010	0.0010	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.010	0.0020	mg/l	
85-01-8	Phenanthrene	0.0109		0.010	0.0010	mg/l	
129-00-0	Pyrene	0.0010		0.010	0.0010	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.010	0.0010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	24%		10-40%
118-79-6	2,4,6-Tribromophenol	70%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	89%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD112067.D	1	12/30/11	MM	12/23/11	OP39930	GCD4546
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.663		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		57-129%
98-08-8	aaa-Trifluorotoluene	86%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY26985.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	2.93		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120A		
Lab Sample ID:	F88874-1	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529, TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.042 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Barium	1.6 J		10	0.050	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Cadmium	0.010 U		0.050	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Chromium	0.15		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Lead	0.010 U		0.50	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Mercury	0.00050 U		0.010	0.00050	mg/l	1	01/04/12	01/04/12	LM	SW846 7470A [2]
Selenium	0.063 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Silver	0.010 U		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]

(1) Instrument QC Batch: MA9479
(2) Instrument QC Batch: MA9493
(3) Prep QC Batch: MP21962
(4) Prep QC Batch. MP22007

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z2918.D	1	01/06/12	KW	12/23/11	OP39931	VZ141
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0168		0.025	0.010	mg/l	J
71-43-2	Benzene	0.00054		0.0010	0.00020	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.00060		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0049		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone *	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0084		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone *	0.0025		0.0050	0.0020	mg/l	J
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0095		0.0020	0.00027	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0026		0.0020	0.00021	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529, TX		

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-88-3	Toluene	0.0308		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0175		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U029583.D	1	01/05/12	FS	12/30/11	OP40004	SU1400
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.00060		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0021		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0011		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0049		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0016		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0098		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.00051		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0028		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0243		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0142		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0064		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.00092		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	71%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	65%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8015C SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD112068.D	1	12/30/11	MM	12/23/11	OP39930	GCD4546
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.182		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		57-129%
98-08-8	aaa-Trifluorotoluene	84%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	**Date Sampled:**	12/07/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY26986.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	2.17		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-120B		
Lab Sample ID:	F88874-2	Date Sampled:	12/07/11
Matrix:	SO - Sludge	Date Received:	12/20/11
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.053 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Barium	1.5 J		10	0.050	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Cadmium	0.010 U		0.050	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Chromium	0.24		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Lead	0.014 J		0.50	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Mercury	0.00050 U		0.010	0.00050	mg/l	1	01/04/12	01/04/12	LM	SW846 7470A [2]
Selenium	0.070 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Silver	0.010 U		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]

(1) Instrument QC Batch: MA9479
(2) Instrument QC Batch: MA9493
(3) Prep QC Batch: MP21962
(4) Prep QC Batch: MP22007

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) J = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z2919.D	1	01/06/12	KW	12/23/11	OP39931	VZ141
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.010	mg/l	
71-43-2	Benzene	0.00037		0.0010	0.00020	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0034		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone [a]	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0085		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone [a]	0.0025		0.0050	0.0020	mg/l	J
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0034		0.0020	0.00027	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0011		0.0020	0.00021	mg/l	J
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-88-3	Toluene	0.0029		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0054		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U029584.D	1	01/05/12	FS	12/30/11	OP40004	SU1400
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.00067		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0028		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0011		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0036		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0 0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0021		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0 0050	0 0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0 0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0031		0 0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0 0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0215		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0 0050	0 00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0178		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0060		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.00089		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	76%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	89%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD112069.D	1	12/30/11	MM	12/23/11	OP39930	GCD4546
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0895		0.10	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		57-129%
98-08-8	aaa-Trifluorotoluene	86%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY26987.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.75		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100C		
Lab Sample ID:	F88874-3	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.063 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Barium	1.2 J		10	0.050	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Cadmium	0.010 U		0.050	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Chromium	0 19		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Lead	0 010 U		0.50	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Mercury	0.00050 U		0.010	0.00050	mg/l	1	01/04/12	01/04/12	LM	SW846 7470A [2]
Selenium	0.046 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Silver	0.010 U		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]

(1) Instrument QC Batch: MA9479
(2) Instrument QC Batch: MA9493
(3) Prep QC Batch: MP21962
(4) Prep QC Batch. MP22007

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) J = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z2920.D	1	01/06/12	KW	12/23/11	OP39931	VZ141
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0161		0.025	0.010	mg/l	J
71-43-2	Benzene	0.0013		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0 0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0074		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone *	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0080		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone *	0.0041		0.0050	0.0020	mg/l	J
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0063		0.0020	0.00027	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0017		0.0020	0.00021	mg/l	J
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-88-3	Toluene	0.0331		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0232		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U029585.D	1	01/05/12	FS	12/30/11	OP40004	SU1400
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0 050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0 0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0 0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0 0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0 025	0 0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0 0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0020		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0010		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0 00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0 0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0 00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0028		0.0050	0 0050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0014		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0022		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0102		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0075		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0043		0.0050	0.00050	mg/l	J
129-00-0	Pyrene	0.00078		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-62%
4165-62-2	Phenol-d5	24%		10-40%
118-79-6	2,4,6-Tribromophenol	70%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	62%		40-106%
1718-51-0	Terphenyl-d14	84%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD112070.D	1	12/30/11	MM	12/23/11	OP39930	GCD4546
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.185		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		57-129%
98-08-8	aaa-Trifluorotoluene	87%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	Date Sampled:	12/09/11
Matrix:	SO - Sludge	Date Received:	12/20/11
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY26990 D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.72		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-STABPLT-100D		
Lab Sample ID:	F88874-4	**Date Sampled:**	12/09/11
Matrix:	SO - Sludge	**Date Received:**	12/20/11
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.063 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Barium	1.0 J		10	0.050	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Cadmium	0.010 U		0.050	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Chromium	0.18		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Lead	0.010 U		0.50	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Mercury	0.00050 U		0.010	0.00050	mg/l	1	01/04/12	01/04/12	LM	SW846 7470A [2]
Selenium	0.063 J		0.50	0.020	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]
Silver	0.010 U		0.10	0.010	mg/l	1	12/27/11	12/27/11	RS	SW846 6010C [1]

(1) Instrument QC Batch: MA9479
(2) Instrument QC Batch: MA9493
(3) Prep QC Batch: MP21962
(4) Prep QC Batch: MP22007

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (TX)
- Chain of Custody

RECON

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD F88874

Project Name/No: El Paso Phase II / 2-3529
Samples Shipment Date: 12/19/2011
Bill to: Matt Meyers
Sample Team: Jon Richardson
Lab Destination: Accutest Laboratories
9977 West Sam Houston P
Profit Center No: N/A
Lab Contact: Heather Wawrzey
Houston, Tx. 77064
Project Manager: Matt Meyers
Project Contact/Phone: 417-425-8799
Report to: Matt Meyers
Purchase Order No: 2-3529
Carrier/Waybill No: 7930 2956 7589
9977 West Sam Houston P
Required Report Date: See Below
Houston, Tx. 77064

ONE CONTAINER PER LINE

	Sample Number	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt
1	ELDKS-STAPLT-120A	Stabilized Sludge	12/7/11 1600	3x6 Cyl.	1-3x6	Cool 4C	[illegible]	
2	ELDKS-STAPLT-120B	Stabilized Sludge	12/7/11 1600	3x6 Cyl.	1-3x6	Cool 4C	[illegible]	
3	ELDKS-STAPLT-100C	Stabilized Sludge	12/9/11 1600	3x6 Cyl.	1-3x6	Cool 4C	[illegible]	
4	ELDKS-STAPLT-100D	Stabilized Sludge	12/9/11 1600	3x6 Cyl.	1-3x6	Cool 4C	[illegible]	

Special Instructions:
Possible Hazard Identification: Non-hazard ■ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐
Sample Disposal: Return to Client ☐ Disposal by Lab ■ Archive
Turnaround Time Required: Normal ■ Rush ☐ Standard TAT
QC Level: NA I ■ II ☐ III ☐ Project Specific (specify)

1. Relinquished by (Signature/Affiliation)	Date: 12/19/2011 Time: 1:00	1. Received by (Signature/Affiliation) FX	Date: Time:
2. Relinquished by (Signature/Affiliation) FX	Date: 12/20/11 Time: 10:00	2. Received by (Signature/Affiliation)	Date: 12/20/11 Time: 10:00
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments:

2.6c

F88874: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F88874 CLIENT: RECON PROJECT: EL PASO PHASE II 2-3529
DATE/TIME RECEIVED: 12/20/11 10:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 7930 2956 7589

COOLER INFORMATION
- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION
- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION
NUMBER OF ENCORES ? 25-GRAM ____ 5-GRAM ____
NUMBER OF 5035 FIELD KITS ? ____
NUMBER OF LAB FILTERED METALS ? ____

TEMPERATURE INFORMATION
- [ ] IR THERM ID #1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMP: 2.4
- [ ] CORRECTED TEMP: 2.6

SAMPLE INFORMATION
- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5g SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/20/11 REVIEWER SIGNATURE/DATE: 12-20-11

RF 12/10 Receipt confirmation 122910.xls

F88874: Chain of Custody
Page 2 of 3

Job Change Order: F88874_2/10/2012

Requested Date:	2/10/2012	**Received Date:**	12/20/2011
Account Name:	Remedial Construction Services	**Due Date:**	1/5/2012
Project Description:	El Paso Phase II/2-3529; TX	**Deliverable:**	COMMB
CSR:	HW	**TAT (Days):**	14

Sample #: F88874-1-4

Change: Please report 124TMB and 135 TMB in VOC list

Above Changes Matt Meyers-RCS **Date:** 2/10/2012

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

F88874: Chain of Custody
Page 3 of 3

3.1 3

Southeast ACCUTEST LABORATORIES

4

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Page 1 of 2

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP39931-LB	Z2916.D	1	01/06/12	KW	12/23/11	OP39931	VZ141

4.1.1 4

The QC reported here applies to the following samples: **Method:** SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

Leachate Blank Summary

Page 2 of 2

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP39931-LB	Z2916.D	1	01/06/12	KW	12/23/11	OP39931	VZ141

4.1.1 4

The QC reported here applies to the following samples: **Method:** SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ141-BS	Z2915.D	1	01/06/12	KW	n/a	n/a	VZ141

The QC reported here applies to the following samples: Method: SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	144	115	59-134
71-43-2	Benzene	25	24.5	98	83-124
75-27-4	Bromodichloromethane	25	23.7	95	76-116
75-25-2	Bromoform	25	21.7	87	68-128
108-90-7	Chlorobenzene	25	25.5	102	87-115
75-00-3	Chloroethane	25	24.7	99	54-166
67-66-3	Chloroform	25	24.3	97	85-123
75-15-0	Carbon disulfide	25	23.3	93	67-147
56-23-5	Carbon tetrachloride	25	25.5	102	74-139
75-34-3	1,1-Dichloroethane	25	24.8	99	82-127
75-35-4	1,1-Dichloroethylene	25	25.5	102	75-133
107-06-2	1,2-Dichloroethane	25	23.9	96	76-122
78-87-5	1,2-Dichloropropane	25	23.8	95	81-120
124-48-1	Dibromochloromethane	25	22.6	90	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.2	93	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.0	96	82-126
10061-02-6	trans-1,3-Dichloropropene	25	24.8	99	87-123
100-41-4	Ethylbenzene	25	25.7	103	87-118
591-78-6	2-Hexanone	125	176	141*	58-125
108-10-1	4-Methyl-2-pentanone	125	135	108	62-125
74-83-9	Methyl bromide	25	24.6	98	55-151
74-87-3	Methyl chloride	25	30.6	122	55-173
75-09-2	Methylene chloride	25	23.6	94	69-125
78-93-3	Methyl ethyl ketone	125	161	129*	61-127
100-42-5	Styrene	25	24.0	96	78-118
71-55-6	1,1,1-Trichloroethane	25	24.5	98	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	71-120
79-00-5	1,1,2-Trichloroethane	25	23.8	95	80-114
95-63-6	1,2,4-Trimethylbenzene	25	24.4	98	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.7	103	83-123
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	24.7	99	86-116
79-01-6	Trichloroethylene	25	25.4	102	85-124
75-01-4	Vinyl chloride	25	29.0	116	57-153
1330-20-7	Xylene (total)	75	74.6	99	86-120

4.2.1 4

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ141-BS	Z2915.D	1	01/06/12	KW	n/a	n/a	VZ141

The QC reported here applies to the following samples: Method: SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	93%	84-120%

4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F88874-1MS	Z2922.D	5	01/06/12	KW	n/a	n/a	VZ141
F88874-1MSD	Z2923.D	5	01/06/12	KW	n/a	n/a	VZ141
F88874-1	Z2917.D	1	01/06/12	KW	12/23/11	OP39931	VZ141
F88874-1	Z2921.D	5	01/06/12	KW	12/23/11	OP39931	VZ141

The QC reported here applies to the following samples: Method: SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	568	91	615	98	8	59-134/14
71-43-2	Benzene	3.1		125	126	98	122	95	3	83-124/11
75-27-4	Bromodichloromethane	ND		125	120	96	117	94	3	76-116/10
75-25-2	Bromoform	ND		125	109	87	114	91	4	68-128/11
108-90-7	Chlorobenzene	ND		125	128	102	124	99	3	87-115/9
75-00-3	Chloroethane	ND		125	132	106	120	96	10	54-166/20
67-66-3	Chloroform	ND		125	125	100	120	96	4	85-123/10
75-15-0	Carbon disulfide	0.61	J	125	121	96	113	90	7	67-147/12
56-23-5	Carbon tetrachloride	ND		125	131	105	122	98	7	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	127	102	122	98	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	135	108	125	100	8	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	122	98	119	95	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	119	95	115	92	3	81-120/11
124-48-1	Dibromochloromethane	ND		125	115	92	115	92	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	119	95	117	94	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	116	93	112	90	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	125	100	119	95	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	125	100	124	99	1	87-123/10
100-41-4	Ethylbenzene	29.4		125	154	100	150	96	3	87-118/10
591-78-6	2-Hexanone	ND		625	789	126*	879	141*	11	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	659	105	726	116	10	62-125/13
74-83-9	Methyl bromide	ND		125	124	99	117	94	6	55-151/21
74-87-3	Methyl chloride	ND		125	151	121	142	114	6	55-173/22
75-09-2	Methylene chloride	8.6		125	133	100	127	95	5	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	710	114	773	124	8	61-127/13
100-42-5	Styrene	ND		125	122	98	119	95	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	129	103	123	98	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	67.8	54*	35.2	28*	63*	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	122	98	125	100	2	80-114/11
95-63-6	1,2,4-Trimethylbenzene	16.6		125	138	97	133	93	4	82-120/10
108-67-8	1,3,5-Trimethylbenzene	4.2		125	135	105	130	101	4	83-123/10
127-18-4	Tetrachloroethylene	ND		125	245	196*	241	193*	2	80-131/12
108-88-3	Toluene	159		125	273	91	269	88	1	86-116/10
79-01-6	Trichloroethylene	ND		125	175	140*	197	158*	12*	85-124/10
75-01-4	Vinyl chloride	ND		125	150	120	142	114	5	57-153/22
1330-20-7	Xylene (total)	90.6		375	455	97	443	94	3	86-120/10

4.3.1 4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F88874-1MS	Z2922.D	5	01/06/12	KW	n/a	n/a	VZ141
F88874-1MSD	Z2923.D	5	01/06/12	KW	n/a	n/a	VZ141
F88874-1	Z2917.D	1	01/06/12	KW	12/23/11	OP39931	VZ141
F88874-1	Z2921.D	5	01/06/12	KW	12/23/11	OP39931	VZ141

The QC reported here applies to the following samples: Method: SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries	MS	MSD	F88874-1	F88874-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	96%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	101%	100%	76-127%
2037-26-5	Toluene-D8	99%	101%	101%	104%	86-112%
460-00-4	4-Bromofluorobenzene	93%	95%	97%	100%	84-120%

(a) Result is from Run #2.

4.3.1 4

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F88874-4DUP	Z2924.D	1	01/06/12	KW	n/a	n/a	VZ141
F88874-4	Z2920.D	1	01/06/12	KW	12/23/11	OP39931	VZ141

4.4.1 4

The QC reported here applies to the following samples: **Method:** SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-4 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	16.1	J	12.0	J	29*	14
71-43-2	Benzene	1.3		1.5		14*	11
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	9
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	12
56-23-5	Carbon tetrachloride	ND		ND		nc	13
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	13
107-06-2	1,2-Dichloroethane	ND		ND		nc	11
78-87-5	1,2-Dichloropropane	ND		ND		nc	11
124-48-1	Dibromochloromethane	ND		ND		nc	11
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	7.4		10.8		37*	10
591-78-6	2-Hexanone	ND		ND		nc	14
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	13
74-83-9	Methyl bromide	ND		ND		nc	21
74-87-3	Methyl chloride	ND		ND		nc	22
75-09-2	Methylene chloride	8.0		8.4		5	11
78-93-3	Methyl ethyl ketone	4.1	J	3.3	J	22*	13
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	11
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	11
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	11
95-63-6	1,2,4-Trimethylbenzene	6.3		6.7		6	10
108-67-8	1,3,5-Trimethylbenzene	1.7	J	2.0		16*	10
127-18-4	Tetrachloroethylene	ND		ND		nc	12
108-88-3	Toluene	33.1		63.8		63*	10
79-01-6	Trichloroethylene	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	22
1330-20-7	Xylene (total)	23.2		31.1		29*	10

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F88874-4DUP	Z2924.D	1	01/06/12	KW	n/a	n/a	VZ141
F88874-4	Z2920.D	1	01/06/12	KW	12/23/11	OP39931	VZ141

4.4.1 4

The QC reported here applies to the following samples: **Method:** SW846 8260B

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries	DUP	F88874-4	Limits
1868-53-7	Dibromofluoromethane	94%	94%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	76-127%
2037-26-5	Toluene-D8	105%	105%	86-112%
460-00-4	4-Bromofluorobenzene	100%	99%	84-120%

Section 5

Southeast ACCUTEST LABORATORIES

5

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LB	U029578.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.4	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LB	U029578.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.1.1 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	40%	14-62%
4165-62-2	Phenol-d5	26%	10-40%

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LB	U029578.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.1.1 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	67%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	67%	40-106%
1718-51-0	Terphenyl-d14	91%	39-121%

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LB	U029614.D	1	01/07/12	FS	12/30/11	OP40004	SU1402

5.1.2 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.4	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LB	U029614.D	1	01/07/12	FS	12/30/11	OP40004	SU1402

5.1.2 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	41%	14-62%
4165-62-2	Phenol-d5	27%	10-40%

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LB	U029614.D	1	01/07/12	FS	12/30/11	OP40004	SU1402

5.1.2 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	73%	33-118%
4165-60-0	Nitrobenzene-d5	69%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	94%	39-121%

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LBS	U029579.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	13.8	14	10-50
95-57-8	2-Chlorophenol	50	33.9	68	44-103
59-50-7	4-Chloro-3-methyl phenol	50	35.5	71	53-105
120-83-2	2,4-Dichlorophenol	50	33.6	67	53-108
105-67-9	2,4-Dimethylphenol	50	30.4	61	37-91
51-28-5	2,4-Dinitrophenol	100	75.7	76	37-111
534-52-1	4,6-Dinitro-o-cresol	100	83.1	83	62-115
95-48-7	2-Methylphenol	50	29.0	58	35-91
	3&4-Methylphenol	100	53.9	54	32-85
88-75-5	2-Nitrophenol	50	33.9	68	49-111
100-02-7	4-Nitrophenol	100	32.2	32	13-55
87-86-5	Pentachlorophenol	100	79.4	79	57-118
108-95-2	Phenol	50	14.5	29	13-54
95-95-4	2,4,5-Trichlorophenol	50	36.1	72	59-106
88-06-2	2,4,6-Trichlorophenol	50	37.8	76	58-107
83-32-9	Acenaphthene	50	38.4	77	58-106
208-96-8	Acenaphthylene	50	38.4	77	58-105
120-12-7	Anthracene	50	39.0	78	65-108
56-55-3	Benzo(a)anthracene	50	39.9	80	63-111
50-32-8	Benzo(a)pyrene	50	38.2	76	62-106
205-99-2	Benzo(b)fluoranthene	50	39.9	80	63-109
191-24-2	Benzo(g,h,i)perylene	50	40.3	81	61-111
207-08-9	Benzo(k)fluoranthene	50	42.0	84	64-111
101-55-3	4-Bromophenyl phenyl ether	50	38.5	77	64-107
85-68-7	Butyl benzyl phthalate	50	40.6	81	59-114
100-51-6	Benzyl Alcohol	50	29.3	59	34-98
91-58-7	2-Chloronaphthalene	50	37.1	74	54-105
106-47-8	4-Chloroaniline	50	34.0	68	53-103
86-74-8	Carbazole	50	40.2	80	66-109
218-01-9	Chrysene	50	39.2	78	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	33.6	67	48-101
111-44-4	bis(2-Chloroethyl)ether	50	35.4	71	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	41.2	82	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	39.3	79	61-107
95-50-1	1,2-Dichlorobenzene	50	35.3	71	41-102
541-73-1	1,3-Dichlorobenzene	50	34.3	69	38-100

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LBS	U029579.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	35.0	70	40-100
121-14-2	2,4-Dinitrotoluene	50	40.5	81	60-109
606-20-2	2,6-Dinitrotoluene	50	39.5	79	58-104
91-94-1	3,3'-Dichlorobenzidine	50	34.3	69	57-105
53-70-3	Dibenzo(a,h)anthracene	50	41.7	83	62-112
132-64-9	Dibenzofuran	50	39.2	78	61-108
84-74-2	Di-n-butyl phthalate	50	39.7	79	62-109
117-84-0	Di-n-octyl phthalate	50	42.5	85	60-120
84-66-2	Diethyl phthalate	50	41.6	83	62-109
131-11-3	Dimethyl phthalate	50	40.7	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.0	82	59-116
206-44-0	Fluoranthene	50	38.8	78	65-114
86-73-7	Fluorene	50	39.6	79	61-106
118-74-1	Hexachlorobenzene	50	39.5	79	62-107
87-68-3	Hexachlorobutadiene	50	33.8	68	38-107
77-47-4	Hexachlorocyclopentadiene	50	32.9	66	19-84
67-72-1	Hexachloroethane	50	37.5	75	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.7	81	61-113
78-59-1	Isophorone	50	29.3	59	56-111
91-57-6	2-Methylnaphthalene	50	35.0	70	56-112
88-74-4	2-Nitroaniline	50	42.4	85	60-109
99-09-2	3-Nitroaniline	50	37.3	75	52-107
100-01-6	4-Nitroaniline	50	42.4	85	59-111
91-20-3	Naphthalene	50	34.3	69	50-104
98-95-3	Nitrobenzene	50	34.9	70	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	37.1	74	51-104
86-30-6	N-Nitrosodiphenylamine	50	39.3	79	57-110
85-01-8	Phenanthrene	50	39.8	80	65-108
129-00-0	Pyrene	50	39.1	78	60-113
120-82-1	1,2,4-Trichlorobenzene	50	31.6	63	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	39%	14-62%
4165-62-2	Phenol-d5	26%	10-40%

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-LBS	U029579.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	73%	33-118%
4165-60-0	Nitrobenzene-d5	66%	42-108%
321-60-8	2-Fluorobiphenyl	71%	40-106%
1718-51-0	Terphenyl-d14	90%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-MS	U029616.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
OP40004-MSD	U029617.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
F88874-1	U029620.D	2	01/07/12	FS	12/30/11	OP40004	SU1402

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		200	93.5	47	85.5	43	9	10-50/40
95-57-8	2-Chlorophenol	ND		100	71.6	72	75.9	76	6	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	67.6	68	72.1	72	6	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	71.3	71	76.4	76	7	53-108/26
105-67-9	2,4-Dimethylphenol	ND		100	69.4	69	74.6	75	7	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	162	81	155	78	4	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	184	92	187	94	2	62-115/26
95-48-7	2-Methylphenol	ND		100	69.5	70	71.8	72	3	35-91/30
	3&4-Methylphenol	ND		200	138	69	136	68	1	32-85/29
88-75-5	2-Nitrophenol	ND		100	75.0	75	79.8	80	6	49-111/30
100-02-7	4-Nitrophenol	ND		200	101	51	96.2	48	5	13-55/31
87-86-5	Pentachlorophenol	ND		200	151	76	153	77	1	57-118/26
108-95-2	Phenol	ND		100	49.2	49	47.0	47	5	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	75.5	76	78.7	79	4	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	79.4	79	85.0	85	7	58-107/24
83-32-9	Acenaphthene	10.7		100	90.4	80	97.2	87	7	58-106/21
208-96-8	Acenaphthylene	ND		100	79.1	79	83.6	84	6	58-105/21
120-12-7	Anthracene	1.7	J	100	81.3	80	84.4	83	4	65-108/19
56-55-3	Benzo(a)anthracene	ND		100	80.5	81	85.2	85	6	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	73.6	74	78.0	78	6	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	79.9	80	85.2	85	6	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	79.2	79	81.5	82	3	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	77.5	78	80.7	81	4	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	83.0	83	86.7	87	4	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	82.0	82	88.7	89	8	59-114/20
100-51-6	Benzyl Alcohol	ND		100	73.6	74	75.5	76	3	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	80.7	81	84.6	85	5	54-105/24
106-47-8	4-Chloroaniline	ND		100	64.2	64	71.4	71	11	53-103/22
86-74-8	Carbazole	8.3	J	100	85.5	77	90.8	83	6	66-109/20
218-01-9	Chrysene	ND		100	77.7	78	80.8	81	4	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	72.1	72	76.8	77	6	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	72.3	72	77.0	77	6	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	85.9	86	87.5	88	2	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	75.7	76	80.0	80	6	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	76.0	76	78.8	79	4	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	72.3	72	76.0	76	5	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-MS	U029616.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
OP40004-MSD	U029617.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
F88874-1	U029620.D	2	01/07/12	FS	12/30/11	OP40004	SU1402

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	75.6	76	78.5	79	4	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	75.3	75	78.3	78	4	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	76.3	76	78.9	79	3	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	55.3	55*	54.0	54*	2	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	81.3	81	83.8	84	3	62-112/20
132-64-9	Dibenzofuran	7.2	J	100	85.4	78	92.0	85	7	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	78.2	78	80.7	81	3	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	85.2	85	90.7	91	6	60-120/24
84-66-2	Diethyl phthalate	ND		100	75.5	76	80.2	80	6	62-109/19
131-11-3	Dimethyl phthalate	ND		100	77.8	78	81.9	82	5	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	83.6	84	87.2	87	4	59-116/21
206-44-0	Fluoranthene	ND		100	75.6	76	77.1	77	2	65-114/21
86-73-7	Fluorene	8.1	J	100	83.9	76	90.2	82	7	61-106/19
118-74-1	Hexachlorobenzene	ND		100	84.0	84	87.0	87	4	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	76.2	76	83.4	83	9	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	78.2	78	83.1	83	6	19-84/35
67-72-1	Hexachloroethane	ND		100	80.3	80	83.5	84	4	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	82.3	82	86.1	86	5	61-113/20
78-59-1	Isophorone	ND		100	58.4	58	65.0	65	11	56-111/26
91-57-6	2-Methylnaphthalene	37.5		100	105	68	122	85	15	56-112/26
88-74-4	2-Nitroaniline	ND		100	81.1	81	87.8	88	8	60-109/20
99-09-2	3-Nitroaniline	ND		100	65.0	65	67.1	67	3	52-107/21
100-01-6	4-Nitroaniline	ND		100	70.0	70	71.7	72	2	59-111/21
91-20-3	Naphthalene	163		100	216	53	268	105*	21	50-104/28
98-95-3	Nitrobenzene	ND		100	75.7	76	80.2	80	6	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	71.5	72	75.4	75	5	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	82.8	83	84.8	85	2	57-110/19
85-01-8	Phenanthrene	10.9		100	92.1	81	95.5	85	4	65-108/20
129-00-0	Pyrene	1.0	J	100	79.7	79	85.8	85	7	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	68.4	68	73.9	74	8	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F88874-1	Limits
367-12-4	2-Fluorophenol	59%	60%	39%	14-62%
4165-62-2	Phenol-d5	46%*	43%*	24%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-MS	U029616.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
OP40004-MSD	U029617.D	2	01/07/12	FS	12/30/11	OP40004	SU1402
F88874-1	U029620.D	2	01/07/12	FS	12/30/11	OP40004	SU1402

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries	MS	MSD	F88874-1	Limits
118-79-6	2,4,6-Tribromophenol	80%	80%	70%	33-118%
4165-60-0	Nitrobenzene-d5	71%	75%	71%	42-108%
321-60-8	2-Fluorobiphenyl	76%	80%	71%	40-106%
1718-51-0	Terphenyl-d14	91%	97%	89%	39-121%

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-DUP	U029586.D	1	01/05/12	FS	12/30/11	OP40004	SU1400
F88874-4	U029585.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.4.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-4 ug/l	Q	DUP ug/l	Q	RPD	Limits
65-85-0	Benzoic Acid	ND		ND		nc	40
95-57-8	2-Chlorophenol	ND		ND		nc	29
59-50-7	4-Chloro-3-methyl phenol	ND		ND		nc	24
120-83-2	2,4-Dichlorophenol	ND		ND		nc	26
105-67-9	2,4-Dimethylphenol	ND		ND		nc	28
51-28-5	2,4-Dinitrophenol	ND		ND		nc	30
534-52-1	4,6-Dinitro-o-cresol	ND		ND		nc	26
95-48-7	2-Methylphenol	ND		ND		nc	30
	3&4-Methylphenol	ND		ND		nc	29
88-75-5	2-Nitrophenol	ND		ND		nc	30
100-02-7	4-Nitrophenol	ND		ND		nc	31
87-86-5	Pentachlorophenol	ND		ND		nc	26
108-95-2	Phenol	ND		0.67	J	200*	34
95-95-4	2,4,5-Trichlorophenol	ND		ND		nc	23
88-06-2	2,4,6-Trichlorophenol	ND		ND		nc	24
83-32-9	Acenaphthene	2.0	J	2.0	J	0	21
208-96-8	Acenaphthylene	ND		ND		nc	21
120-12-7	Anthracene	1.0	J	1.1	J	10	19
56-55-3	Benzo(a)anthracene	ND		ND		nc	19
50-32-8	Benzo(a)pyrene	ND		ND		nc	20
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	20
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	21
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	20
101-55-3	4-Bromophenyl phenyl ether	ND		ND		nc	20
85-68-7	Butyl benzyl phthalate	ND		ND		nc	20
100-51-6	Benzyl Alcohol	ND		ND		nc	27
91-58-7	2-Chloronaphthalene	ND		ND		nc	24
106-47-8	4-Chloroaniline	ND		ND		nc	22
86-74-8	Carbazole	2.8	J	2.8	J	0	20
218-01-9	Chrysene	ND		ND		nc	19
111-91-1	bis(2-Chloroethoxy)methane	ND		ND		nc	28
111-44-4	bis(2-Chloroethyl)ether	ND		ND		nc	27
108-60-1	bis(2-Chloroisopropyl)ether	ND		ND		nc	27
7005-72-3	4-Chlorophenyl phenyl ether	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	28
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	28

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-DUP	U029586.D	1	01/05/12	FS	12/30/11	OP40004	SU1400
F88874-4	U029585.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.4.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-4 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	28
121-14-2	2,4-Dinitrotoluene	ND		ND		nc	20
606-20-2	2,6-Dinitrotoluene	ND		ND		nc	21
91-94-1	3,3'-Dichlorobenzidine	ND		ND		nc	25
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	20
132-64-9	Dibenzofuran	1.4	J	1.4	J	0	20
84-74-2	Di-n-butyl phthalate	ND		ND		nc	20
117-84-0	Di-n-octyl phthalate	ND		ND		nc	24
84-66-2	Diethyl phthalate	ND		ND		nc	19
131-11-3	Dimethyl phthalate	ND		ND		nc	19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		ND		nc	21
206-44-0	Fluoranthene	ND		ND		nc	21
86-73-7	Fluorene	2.2	J	2.1	J	5	19
118-74-1	Hexachlorobenzene	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	30
77-47-4	Hexachlorocyclopentadiene	ND		ND		nc	35
67-72-1	Hexachloroethane	ND		ND		nc	29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	20
78-59-1	Isophorone	ND		ND		nc	26
91-57-6	2-Methylnaphthalene	10.2		10.8		6	26
88-74-4	2-Nitroaniline	ND		ND		nc	20
99-09-2	3-Nitroaniline	ND		ND		nc	21
100-01-6	4-Nitroaniline	ND		ND		nc	21
91-20-3	Naphthalene	7.5		7.9		5	28
98-95-3	Nitrobenzene	ND		ND		nc	28
621-64-7	N-Nitroso-di-n-propylamine	ND		ND		nc	28
86-30-6	N-Nitrosodiphenylamine	ND		ND		nc	19
85-01-8	Phenanthrene	4.3	J	4.1	J	5	20
129-00-0	Pyrene	0.78	J	0.72	J	8	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	F88874-4	Limits
367-12-4	2-Fluorophenol	37%	35%	14-62%
4165-62-2	Phenol-d5	24%	24%	10-40%

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40004-DUP	U029586.D	1	01/05/12	FS	12/30/11	OP40004	SU1400
F88874-4	U029585.D	1	01/05/12	FS	12/30/11	OP40004	SU1400

5.4.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Surrogate Recoveries	DUP	F88874-4	Limits
118-79-6	2,4,6-Tribromophenol	73%	70%	33-118%
4165-60-0	Nitrobenzene-d5	70%	62%	42-108%
321-60-8	2-Fluorobiphenyl	67%	62%	40-106%
1718-51-0	Terphenyl-d14	86%	84%	39-121%

Section 6

Southeast ACCUTEST LABORATORIES

6

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4546-MB	CD112066.D	1	12/30/11	MM	n/a	n/a	GCD4546

6.1.1 6

The QC reported here applies to the following samples: **Method:** SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	76%	58-120%

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4546-BS	CD112065.D	1	12/30/11	MM	n/a	n/a	GCD4546

The QC reported here applies to the following samples: **Method:** SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.463	116	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	57-129%
98-08-8	aaa-Trifluorotoluene	98%	58-120%

6.2.1 9

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F88874-3MS	CD112072.D	1	12/30/11	MM	n/a	n/a	GCD4546
F88874-3MSD	CD112073.D	1	12/30/11	MM	n/a	n/a	GCD4546
F88874-3	CD112069.D	1	12/30/11	MM	12/23/11	OP39930	GCD4546

The QC reported here applies to the following samples: **Method:** SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.0895	J	0.4	0.560	118	0.540	113	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F88874-3	Limits
460-00-4	4-Bromofluorobenzene	106%	102%	109%	57-129%
98-08-8	aaa-Trifluorotoluene	92%	91%	86%	58-120%

6.3.1 9

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F88874-4DUP	CD112071.D	1	12/30/11	MM	n/a	n/a	GCD4546
F88874-4	CD112070.D	1	12/30/11	MM	12/23/11	OP39930	GCD4546

The QC reported here applies to the following samples: **Method:** SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-4 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	0.185		0.256		32*	13

CAS No.	Surrogate Recoveries	DUP	F88874-4	Limits
460-00-4	4-Bromofluorobenzene	113%	107%	57-129%
98-08-8	aaa-Trifluorotoluene	83%	87%	58-120%

6.4.1 9

Section 7

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

7

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40013-LB	YY26983.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993

The QC reported here applies to the following samples: Method: SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	42-114%

7.1.1

7

Blank Spike Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40013-LBS	YY26982.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993

The QC reported here applies to the following samples: Method: SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	10	8.64	86	59-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	42-114%

7.2.1

7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40013-MS	YY26992.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
OP40013-MSD	YY26993.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
F89058-1 [a]	YY26991.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993

The QC reported here applies to the following samples: Method: SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F89058-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	2.5 U		10	8.80	88	8.84	88	0	59-114/34

CAS No.	Surrogate Recoveries	MS	MSD	F89058-1	Limits
84-15-1	o-Terphenyl	89%	95%	85%	42-114%

(a) Confirmation run.

7.3.1

7

Duplicate Summary

Job Number: F88874
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40013-DUP	YY26984.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993
F88874-1	YY26985.D	1	01/04/12	SJL	12/30/11	OP40013	GYY993

The QC reported here applies to the following samples: Method: SW846 8015C

F88874-1, F88874-2, F88874-3, F88874-4

CAS No.	Compound	F88874-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH (C10-C28)	2 93		3 04		4	34

CAS No.	Surrogate Recoveries	DUP	F88874-1	Limits
84-15-1	o-Terphenyl	97%	90%	42-114%

7.4.1

7

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F88874
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP21962
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:					12/27/11		12/27/11
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	0.20	.024	.025				
Antimony	0.0060	.001	.002				
Arsenic	0.050	.002	.002	-0.00040	<0.050	-0.0040	<0.50
Barium	1.0	.004	.005	0.0	<1.0	0.0	<10
Beryllium	0.0040	.0001	.001				
Cadmium	0.0050	.0001	.001	0.0015	<0.0050	0.0	<0.050
Calcium	1.0	.05	.1				
Chromium	0.010	.001	.001	0.00020	<0.010	0.0	<0.10
Cobalt	0.050	.001	.001				
Copper	0.025	.001	.002				
Iron	0.30	.023	.035				
Lead	0.050	.001	.001	0.0071	<0.050	0.0050	<0.50
Magnesium	5.0	.05	.1				
Manganese	0.015	.001	.001				
Molybdenum	0.050	.001	.002				
Nickel	0.040	.001	.002				
Potassium	10	.05	.5				
Selenium	0.050	.002	.002	-0.00020	<0.050	0.0020	<0.50
Silver	0.010	.001	.001	0.00010	<0.010	0.0010	<0.10
Sodium	10	.85	1.9				
Strontium	0.010	.001	.001				
Thallium	0.010	.0015	.0019				
Tin	0.050	.001	.001				
Titanium	0.010	.001	.002				
Vanadium	0.050	.001	.001				
Zinc	0.10	.001	.005				

Associated samples MP21962: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 1

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F88874
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP21962
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:			12/27/11					12/27/11	
Metal	F88874-1 Original	DUP	RPD	QC Limits	F88874-1 Original	MS	Spikelot MSFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	0.042	0.038	10.0	0-20	0.042	20.8	20.0	103.8	80-120
Barium	1.6	1.6	0.0	0-20	1.6	22.5	20.0	104.5	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	0.51	0.50	102.0	80-120
Calcium									
Chromium	0.15	0.15	0.0	0-20	0.15	2.2	2.0	102.5	80-120
Cobalt									
Copper									
Iron									
Lead	0.0	0.0	NC	0-20	0.0	5.0	5.0	100.0	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.063	0.084	35.5 (a)	0-20	0.063	21.1	20.0	105.2	80-120
Silver	0.0	0.0	NC	0-20	0.0	0.52	0.50	104.0	80-120
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP21962: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

Page 1

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F88874
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP21962
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:					12/27/11					12/27/11	
Metal	F88874-1 Original	MSD	Spikelot MSFLICP1	% Rec	MSD RPD	QC Limit	F88874-4 Original	DUP	RPD	QC Limits
Aluminum										
Antimony										
Arsenic	0.042	20.1	20.0	100.3	3.4	20	0.063	0.063	0.0	0-20
Barium	1.6	22.2	20.0	103.0	1.3	20	1.0	1.0	0.0	0-20
Beryllium										
Cadmium	0.0	0.51	0.50	102.0	0.0	20	0.0	0.0010	200.0(a)	0-20
Calcium										
Chromium	0.15	2.2	2.0	102.5	0.0	20	0.18	0.17	5.7	0-20
Cobalt										
Copper										
Iron										
Lead	0.0	4.9	5.0	98.0	2.0	20	0.0	0.0	NC	0-20
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	0.063	20.4	20.0	101.7	3.4	20	0.063	0.052	19.1	0-20
Silver	0.0	0.50	0.50	100.0	3.9	20	0.0	0.0	NC	0-20
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP21962: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

Page 2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

QC Batch ID: MP21962 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 12/27/11 — 12/27/11

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	1.9	2.0	95.0	80-120	19.3	20.0	96.5	80-120
Barium	2.0	2.0	100.0	80-120	20.5	20.0	102.5	80-120
Beryllium								
Cadmium	0.049	0.050	98.0	80-120	0.49	0.50	98.0	80-120
Calcium								
Chromium	0.20	0.20	100.0	80-120	2.0	2.0	100.0	80-120
Cobalt								
Copper								
Iron								
Lead	0.47	0.50	94.0	80-120	4.7	5.0	94.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium	1.9	2.0	95.0	80-120	19.7	20.0	98.5	80-120
Silver	0.049	0.050	98.0	80-120	0.50	0.50	100.0	80-120
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP21962: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.3 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

QC Batch ID: MP21962 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: ug/l

Prep Date: 12/27/11

Metal	F88874-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	4.20	0.00	100.0(a)	0-10
Barium	162	166	2.5	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	15.0	15.2	1.3	0-10
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	6.30	0.00	100.0(a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP21962: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.1.4 8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

QC Batch ID: MP22007 — Methods: SW846 7470A
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 01/04/12 — 01/04/12

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.0010	.000071	.00005	0.000094	<0.0010	0.000050	<0.0010

Associated samples MP22007: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.1 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

QC Batch ID: MP22007 — Methods: SW846 7470A
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 01/04/12 — 01/04/12

Metal	F88874-1 Original	DUP	RPD	QC Limits	F88874-1 Original	MS	Spikelot HGFLM31	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.028	0.030	93.3	80-120

Associated samples MP22007: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(M) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529: TX

QC Batch ID: MP22007 Methods: SW846 7470A
Matrix Type: LEACHATE Units: ug/l

Prep Date: 01/04/12 01/04/12

Metal	F88874-1 Original	MSD	Spikelot MGFLMS1	% Rec	MSD RPD	QC Limit	F88874-4 Original	DUP	RPD	QC Limits
Mercury	0.0	0.028	0.030	93.3	0.0	20	0.0	0.0	NC	0-20

Associated samples MP22007: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2 8

Page 2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529: TX

QC Batch ID: MP22007 Methods: SW846 7470A
Matrix Type: LEACHATE Units: ug/l

Prep Date: 01/04/12 01/04/12

Metal	BSP Result	Spikelot MGFLMS1	% Rec	QC Limits	BSP Result	Spikelot MGFLMS1	% Rec	QC Limits
Mercury	0.0029	0.0030	96.7	80-120	0.029	0.030	96.7	80-120

Associated samples MP22007: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.3 8

Page 1

SERIAL DILUTION RESULTS SUMMARY

Login Number: F88874
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529: TX

QC Batch ID: MP22007 Methods: SW846 7470A
Matrix Type: LEACHATE Units: ug/l

Prep Date: 01/04/12

Metal	F88874-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP22007: F88874-1, F88874-2, F88874-3, F88874-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.4 8

Page 1

e-Hardcopy 2.0
Automated Report

Southeast ACCUTEST LABORATORIES

05/21/12

Technical Report for

Remedial Construction Services

El Paso Phase II/2-3529; TX

Accutest Job Number: F92630

Sampling Dates: 04/11/12 - 04/25/12

Report to:

Remedial Construction Services
9977 W Sam Houston Pk Dr
Houston, TX 77064
matt.meyers@reconservices.com

ATTN: Matt Meyers

Total number of pages in report: **84**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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Accutest Laboratories

Sample Summary

Remedial Construction Services

El Paso Phase II/2-3529; TX

Job No: F92630

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F92630-1	04/11/12	16:00	CG	05/01/12	SO	Sludge	ELDKS-GRDD6-041112
F92630-2	04/17/12	16:00	CG	05/01/12	SO	Sludge	ELDKS-GRDE2-041712
F92630-3	04/19/12	16:00	CG	05/01/12	SO	Sludge	ELDKS-GRDG7-041912
F92630-4	04/25/12	16:00	CG	05/01/12	SO	Sludge	ELDKS-GRDJ9-042512

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0059751.D	1	05/18/12	RB	05/15/12	OP41824	VN2477
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0150		0.025	0.010	mg/l	J
71-43-2	Benzene	0.00035		0.0010	0.00020	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0013		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0042		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0073		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	0.0022		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0034		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0215		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Associated CCV outside control limits

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	X023463.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.00079		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0018		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	ND		0.0050	0.00050	mg/l	
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.00087		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether [b]	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0012		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0018		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0097		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline [b]	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0115		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0029		0.0050	0.00050	mg/l	J
129-00-0	Pyrene	ND		0.0050	0.00050	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	28%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	91%		42-108%
321-60-8	2-Fluorobiphenyl	84%		40-106%
1718-51-0	Terphenyl-d14	88%		39-121%

(a) Sample extracted beyond hold time.
(b) Compound outside control limits in associated BS.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD114757.D	5	05/09/12	MM	05/07/12	OP41828	GCD4675
Run #2 [b]	CD114853.D	1	05/16/12	MM	05/15/12	OP41828	GCD4679

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.74		0.50	0.25	mg/l	B

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%	96%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	102%	58-120%

(a) Results confirmed by analysis of leachate extracted beyond hold time.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41294.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.24		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDD6-041112		
Lab Sample ID:	F92630-1	Date Sampled:	04/11/12
Matrix:	SO - Sludge	Date Received:	05/01/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	< 0.010		0.010	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	05/11/12	05/11/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9764
(2) Instrument QC Batch: MA9774
(3) Prep QC Batch: MP22742
(4) Prep QC Batch: MP22771

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0059753.D	1	05/18/12	RB	05/15/12	OP41824	VN2477
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0360		0.025	0.010	mg/l	
71-43-2	Benzene	0.00084		0.0010	0.00020	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.00092		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0079		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0021		0.0050	0.0020	mg/l	J
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0068		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	0.00053		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	0.00072		0.0010	0.00020	mg/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0155		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0357		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	65% [b]		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Associated CCV outside control limits.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	X023466.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
Run #2 [a]	T002262.D	10	05/15/12	FS	05/12/12	OP41785	ST125

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	0.0132		0.050	0.010	mg/l	J
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	0.0015		0.0050	0.0011	mg/l	J
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0272		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	0.0017		0.0050	0.00050	mg/l	J
120-12-7	Anthracene	0.0043		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0178		0.0050	0.00050	mg/l	
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether [b]	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0222		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.0014		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0214		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0628		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline [b]	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.441 [c]		0.050	0.0080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0210		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.0014		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%	47%	14-62%
4165-62-2	Phenol-d5	29%	30%	10-40%
118-79-6	2,4,6-Tribromophenol	90%	103%	33-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	95%	98%	42-108%
321-60-8	2-Fluorobiphenyl	84%	90%	40-106%
1718-51-0	Terphenyl-d14	88%	102%	39-121%

(a) Sample extracted beyond hold time.
(b) Compound outside control limits in associated BS.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD114750.D	1	05/09/12	MM	05/07/12	OP41828	GCD4675
Run #2 [b]	CD114850.D	1	05/16/12	MM	05/15/12	OP41828	GCD4679

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.160		0.10	0.050	mg/l	B

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	94%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	103%	58-120%

(a) Results confirmed by analysis of leachate extracted beyond hold time.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41296.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.79		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDE2-041712		
Lab Sample ID:	F92630-2	Date Sampled:	04/17/12
Matrix:	SO - Sludge	Date Received:	05/01/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.027		0.010	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	05/11/12	05/11/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9764
(2) Instrument QC Batch: MA9774
(3) Prep QC Batch: MP22742
(4) Prep QC Batch: MP22771

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0059754.D	1	05/18/12	RB	05/15/12	OP41824	VN2477
Run #2 [a]	N0059761.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [b]	0.0374		0.025	0.010	mg/l	
71-43-2	Benzene	0.0010		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0012		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0041		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0073		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	0.0143		0.0050	0.0020	mg/l	
100-42-5	Styrene	0.00043		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0302		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	0.0016		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0146		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	71% [c]	71%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	98%	76-127%
2037-26-5	Toluene-D8	98%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	84-120%

(a) Confirmation run for surrogate recoveries
(b) Associated CCV outside control limits
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	X023468.D	4	05/14/12	FS	05/12/12	OP41785	SX1144
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.20	0.040	mg/l	
95-57-8	2-Chlorophenol	ND		0.020	0.0020	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.020	0.0020	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.020	0.0020	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.020	0.0044	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.10	0.040	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.040	0.0080	mg/l	
95-48-7	2-Methylphenol	ND		0.020	0.0022	mg/l	
	3&4-Methylphenol	ND		0.020	0.0044	mg/l	
88-75-5	2-Nitrophenol	ND		0.020	0.0022	mg/l	
100-02-7	4-Nitrophenol	ND		0.10	0.020	mg/l	
87-86-5	Pentachlorophenol	ND		0.10	0.022	mg/l	
108-95-2	Phenol	ND		0.020	0.0020	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.020	0.0020	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.020	0.0020	mg/l	
83-32-9	Acenaphthene	0.0124		0.020	0.0020	mg/l	J
208-96-8	Acenaphthylene	ND		0.020	0.0020	mg/l	
120-12-7	Anthracene	0.0034		0.020	0.0020	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.020	0.0020	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.020	0.0020	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.020	0.0020	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.020	0.0020	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.020	0.0020	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.020	0.0020	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.020	0.0044	mg/l	
100-51-6	Benzyl Alcohol	ND		0.020	0.0040	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.020	0.0020	mg/l	
106-47-8	4-Chloroaniline	ND		0.020	0.0020	mg/l	
86-74-8	Carbazole	0.0087		0.020	0.0020	mg/l	J
218-01-9	Chrysene	ND		0.020	0.0020	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.020	0.0020	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.020	0.0022	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether [b]	ND		0.020	0.0022	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.020	0.0020	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.020	0.0040	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.020	0.0040	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.020	0.0040	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.020	0.0020	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.020	0.0020	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.040	0.0040	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.020	0.0021	mg/l	
132-64-9	Dibenzofuran	0.0102		0.020	0.0020	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.020	0.0035	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.020	0.0044	mg/l	
84-66-2	Diethyl phthalate	ND		0.020	0.0044	mg/l	
131-11-3	Dimethyl phthalate	ND		0.020	0.0040	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.020	0.0044	mg/l	
206-44-0	Fluoranthene	ND		0.020	0.0020	mg/l	
86-73-7	Fluorene	0.0114		0.020	0.0020	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.020	0.0022	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.020	0.0040	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.040	0.0076	mg/l	
67-72-1	Hexachloroethane	ND		0.020	0.0040	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.020	0.0020	mg/l	
78-59-1	Isophorone	ND		0.020	0.0020	mg/l	
91-57-6	2-Methylnaphthalene	0.0407		0.020	0.0023	mg/l	
88-74-4	2-Nitroaniline [b]	ND		0.020	0.0020	mg/l	
99-09-2	3-Nitroaniline	ND		0.020	0.0020	mg/l	
100-01-6	4-Nitroaniline	ND		0.020	0.0020	mg/l	
91-20-3	Naphthalene	0.187		0.020	0.0032	mg/l	
98-95-3	Nitrobenzene	ND		0.020	0.0024	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.020	0.0020	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.020	0.0040	mg/l	
85-01-8	Phenanthrene	0.0137		0.020	0.0020	mg/l	J
129-00-0	Pyrene	ND		0.020	0.0020	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0.020	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		14-62%
4165-62-2	Phenol-d5	29%		10-40%
118-79-6	2,4,6-Tribromophenol	87%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		42-108%
321-60-8	2-Fluorobiphenyl	85%		40-106%
1718-51-0	Terphenyl-d14	87%		39-121%

(a) Sample extracted beyond hold time. Dilution required due to matrix interference.
(b) Compound outside control limits in associated BS.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD114751.D	1	05/09/12	MM	05/07/12	OP41828	GCD4675
Run #2 [b]	CD114851.D	1	05/16/12	MM	05/15/12	OP41828	GCD4679

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.185		0.10	0.050	mg/l	B

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%	95%	57-129%
98-08-8	aaa-Trifluorotoluene	102%	102%	58-120%

(a) Results confirmed by analysis of leachate extracted beyond hold time.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41299.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	4.13		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDG7-041912		
Lab Sample ID:	F92630-3	Date Sampled:	04/19/12
Matrix:	SO - Sludge	Date Received:	05/01/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.022		0.010	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	05/11/12	05/11/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	05/08/12	05/08/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9764
(2) Instrument QC Batch: MA9774
(3) Prep QC Batch: MP22742
(4) Prep QC Batch: MP22771

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	Date Sampled:	04/25/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0059755.D	1	05/18/12	RB	05/15/12	OP41824	VN2477
Run #2 [a]	N0059762.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [b]	0.0672		0.025	0.010	mg/l	
71-43-2	Benzene	0.0012		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0019		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0049		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	0.0070		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	0.0109		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0060		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	Date Sampled:	04/25/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0136		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	79% [c]	77%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	76-127%
2037-26-5	Toluene-D8	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	84-120%

(a) Confirmation run for surrogate recoveries.
(b) Associated CCV outside control limits.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	Date Sampled:	04/25/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T002261.D	1	05/15/12	FS	05/12/12	OP41785	ST125
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0016		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0010		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0026		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	Date Sampled:	04/25/12
Matrix:	SO - Sludge	Date Received:	05/01/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether [b]	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0013		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0026		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0220		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline [b]	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0099		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0061		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.00091		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	**Date Sampled:**	04/25/12
Matrix:	SO - Sludge	**Date Received:**	05/01/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

(a) Sample extracted beyond hold time.
(b) Compound outside control limits in associated BS.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	**Date Sampled:**	04/25/12
Matrix:	SO - Sludge	**Date Received:**	05/01/12
Method:	SW846 8015C SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD114752.D	1	05/09/12	MM	05/07/12	OP41828	GCD4675
Run #2 [b]	CD114852.D	1	05/16/12	MM	05/15/12	OP41828	GCD4679

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.225		0.10	0.050	mg/l	B

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	96%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	111%	58-120%

(a) Results confirmed by analysis of leachate extracted beyond hold time.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	**Date Sampled:**	04/25/12
Matrix:	SO - Sludge	**Date Received:**	05/01/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41300.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	2.89		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDJ9-042512		
Lab Sample ID:	F92630-4	**Date Sampled:**	04/25/12
Matrix:	SO - Sludge	**Date Received:**	05/01/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.032		0.010	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	05/11/12	05/11/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	05/08/12	05/09/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9769
(2) Instrument QC Batch: MA9774
(3) Prep QC Batch: MP22742
(4) Prep QC Batch: MP22771

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Southeast ACCUTEST LABORATORIES

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (TX)
- Chain of Custody

RECON

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD F92630 Page 1 of 1

Project Name/No: El Paso Phase II / 2-3529
Sample Team: Jon Richardson
Profit Center No: N/A
Project Manager: Matt Meyers
Purchase Order No: 2-3529-10xx
Required Report Date: See Below

Samples Shipment Date: 4/20/2012
Lab Destination: Accutest Laboratories
Lab Contact: Heather Vrandrev
Project Contact/Phone: 417-425-6700
Carrier/Waybill No.:

Bill to: Matt Meyers, 9977 West Sam Houston PKY North, Suite 100, Houston, Tx. 77064
Report to: Matt Meyers, 9977 West Sam Houston PKY North, Suite 100, Houston, Tx. 77064

ONE CONTAINER PER LINE

	Sample Number	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record No.
1	EL2K3-GSD2K-041112	Stabilized Sludge	04/11/12 1600	3x6 Cyl.	1- 3x6		[illegible]		
2	EL2K3-GSD2K-041712	Stabilized Sludge	04/17/12 1600	3x6 Cyl.	2- 3x6		[illegible]		
3	EL2K3-GSD2K-041912	Stabilized Sludge	04/19/12 1600	3x6 Cyl.	1- 3x6		[illegible]		
4	EL2K3-GSD2K-042512	Stabilized Sludge	04/25/12 1600	3x6 Cyl.	2- 3x6		[illegible]		

Special Instructions:

Possible Hazard Identification: Non-hazard ■ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal: Return to Client ☐ Disposed by Lab ■ Archive ■ (Mon.)

Turnaround Time Required: Normal ■ Rush ☐ Standard TAT

QC Level: NA I ■ II ☐ III ☐ Project Specific (specify):

1. Relinquished by (Signature/Affiliation): Carlos Garcia — Date: 4/20/2012 Time: 1600
1. Received by (Signature/Affiliation): FO — Date: Time:
2. Relinquished by (Signature/Affiliation): FO — Date: 05/01/12 Time: 0900
2. Received by (Signature/Affiliation): R. Miller — Date: 05-01-12 Time: 0905
3. Relinquished by (Signature/Affiliation): — Date: Time:
3. Received by (Signature/Affiliation): — Date: Time:

Comments: 3.2

F92630: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F92630 CLIENT: Recon PROJECT: El Paso Phase II
DATE/TIME RECEIVED: 05-01-12 0900 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1
METHOD OF DELIVERY: ☐ FEDEX ☐ UPS ☐ ACCUTEST COURIER ☐ GREYHOUND ☐ DELIVERY ☐ OTHER
AIRBILL NUMBERS: 7935 0976 1991

COOLER INFORMATION
- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION
- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION
NUMBER OF ENCORES ? 25-GRAM ____ 5-GRAM ____
NUMBER OF 5035 FIELD KITS ? ____
NUMBER OF LAB FILTERED METALS ? ____

TEMPERATURE INFORMATION
- [ ] IR THERM ID 1 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 3.4
- [ ] CORRECTED TEMPS: 3.2

SAMPLE INFORMATION
- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] IDS ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT (APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: R. Miller 05-01-12 REVIEWER SIGNATURE/DATE: 5-1-12
NF 12/10 receipt confirmation 122910.xls

F92630: Chain of Custody
Page 2 of 2

Southeast ACCUTEST LABORATORIES

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.1.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41824-LB	N0059750.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.1.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41824-LB	N0059750.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.2.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2477-BS	N0059748.D	1	05/18/12	RB	n/a	n/a	VN2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	104	83	59-134
71-43-2	Benzene	25	23.8	95	83-124
75-27-4	Bromodichloromethane	25	23.3	93	76-116
75-25-2	Bromoform	25	22.6	90	68-128
108-90-7	Chlorobenzene	25	24.4	98	87-115
75-00-3	Chloroethane	25	23.5	94	54-166
67-66-3	Chloroform	25	23.8	95	85-123
75-15-0	Carbon disulfide	25	24.8	99	67-147
56-23-5	Carbon tetrachloride	25	25.0	100	74-139
75-34-3	1,1-Dichloroethane	25	24.1	96	82-127
75-35-4	1,1-Dichloroethylene	25	27.0	108	75-133
107-06-2	1,2-Dichloroethane	25	22.7	91	76-122
78-87-5	1,2-Dichloropropane	25	23.4	94	81-120
124-48-1	Dibromochloromethane	25	22.4	90	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.3	97	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.2	89	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.4	98	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.3	93	87-123
100-41-4	Ethylbenzene	25	24.1	96	87-118
591-78-6	2-Hexanone	125	112	90	58-125
108-10-1	4-Methyl-2-pentanone	125	120	96	62-125
74-83-9	Methyl bromide	25	26.2	105	55-151
74-87-3	Methyl chloride	25	31.4	126	55-173
75-09-2	Methylene chloride	25	25.8	103	69-125
78-93-3	Methyl ethyl ketone	125	112	90	61-127
100-42-5	Styrene	25	23.5	94	78-118
71-55-6	1,1,1-Trichloroethane	25	24.4	98	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.6	90	71-120
79-00-5	1,1,2-Trichloroethane	25	24.0	96	80-114
127-18-4	Tetrachloroethylene	25	26.2	105	80-131
108-88-3	Toluene	25	23.4	94	86-116
79-01-6	Trichloroethylene	25	24.8	99	85-124
75-01-4	Vinyl chloride	25	29.7	119	57-153
1330-20-7	Xylene (total)	75	68.6	91	86-120

Blank Spike Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.2.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2477-BS	N0059748.D	1	05/18/12	RB	n/a	n/a	VN2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	93%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.3.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92630-2MS	N0059758.D	1	05/18/12	RB	n/a	n/a	VN2477
F92630-2MSD	N0059759.D	1	05/18/12	RB	n/a	n/a	VN2477
F92630-2	N0059753.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

The QC reported here applies to the following samples: **Method: SW846 8260B**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	36.0		125	191	124	180	115	6	59-134/14
71-43-2	Benzene	0.84	J	25	24.8	96	23.9	92	4	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.4	90	20.8	83	7	76-116/10
75-25-2	Bromoform	ND		25	23.0	92	22.4	90	3	68-128/11
108-90-7	Chlorobenzene	ND		25	24.6	98	23.9	96	3	87-115/9
75-00-3	Chloroethane	ND		25	23.6	94	21.7	87	8	54-166/20
67-66-3	Chloroform	ND		25	23.9	96	23.2	93	3	85-123/10
75-15-0	Carbon disulfide	0.92	J	25	23.7	91	21.8	84	8	67-147/12
56-23-5	Carbon tetrachloride	ND		25	24.9	100	24.5	98	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	24.5	98	23.9	96	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	31.4	126	31.1	124	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.0	92	22.4	90	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.1	96	23.3	93	3	81-120/11
124-48-1	Dibromochloromethane	ND		25	22.0	88	21.0	84	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.7	99	23.9	96	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.3	89	21.2	85	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.3	97	23.6	94	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	21.9	88	21.0	84*	4	87-123/10
100-41-4	Ethylbenzene	7.9		25	31.8	96	30.6	91	4	87-118/10
591-78-6	2-Hexanone	ND		125	143	114	137	110	4	58-125/14
108-10-1	4-Methyl-2-pentanone	2.1	J	125	144	114	139	110	4	62-125/13
74-83-9	Methyl bromide	ND		25	24.1	96	21.3	85	12	55-151/21
74-87-3	Methyl chloride	ND		25	31.6	126	29.0	116	9	55-173/22
75-09-2	Methylene chloride	6.8		25	32.7	104	30.9	96	6	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	147	118	140	112	5	61-127/13
100-42-5	Styrene	0.53	J	25	25.1	98	24.3	95	3	78-118/11
71-55-6	1,1,1-Trichloroethane	0.72	J	25	25.4	99	24.1	94	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	ND	0*	ND	0*	nc	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.0	96	21.9	88	9	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.4	106	25.5	102	3	80-131/12
108-88-3	Toluene	15.5		25	37.5	88	36.3	83*	3	86-116/10
79-01-6	Trichloroethylene	ND		25	44.6	178*	42.8	171*	4	85-124/10
75-01-4	Vinyl chloride	ND		25	29.2	117	27.4	110	6	57-153/22
1330-20-7	Xylene (total)	35.7		75	107	95	102	88	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92630-2MS	N0059758.D	1	05/18/12	RB	n/a	n/a	VN2477
F92630-2MSD	N0059759.D	1	05/18/12	RB	n/a	n/a	VN2477
F92630-2	N0059753.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

The QC reported here applies to the following samples: **Method: SW846 8260B**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries	MS	MSD	F92630-2	Limits
1868-53-7	Dibromofluoromethane	68%a*	67%a*	65%a*	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%a	97%	100%	76-127%
2037-26-5	Toluene-D8	97%a	98%a	99%a	86-112%
460-00-4	4-Bromofluorobenzene	96%a	97%a	96%a	84-120%

(a) Outside control limits due to matrix interference. Confirmed by MS/MSD.

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.4.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92630-1DUP	N0059752.D	1	05/18/12	RB	n/a	n/a	VN2477
F92630-1	N0059751.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

The QC reported here applies to the following samples: **Method: SW846 8260B**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	15.0	J	20.9	J	33*	14
71-43-2	Benzene	0.35	J	ND		200*	11
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	9
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	10
75-15-0	Carbon disulfide	1.3	J	2.7		70*	12
56-23-5	Carbon tetrachloride	ND		ND		nc	13
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	13
107-06-2	1,2-Dichloroethane	ND		ND		nc	11
78-87-5	1,2-Dichloropropane	ND		ND		nc	11
124-48-1	Dibromochloromethane	ND		ND		nc	11
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	4.2		1.5		95*	10
591-78-6	2-Hexanone	ND		ND		nc	14
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	13
74-83-9	Methyl bromide	ND		ND		nc	21
74-87-3	Methyl chloride	ND		ND		nc	22
75-09-2	Methylene chloride	7.3		6.5		12*	11
78-93-3	Methyl ethyl ketone	ND		ND		nc	13
100-42-5	Styrene	2.2		ND		200*	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	11
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	11
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	11
127-18-4	Tetrachloroethylene	ND		ND		nc	12
108-88-3	Toluene	3.4		4.0		16*	10
79-01-6	Trichloroethylene	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	22
1330-20-7	Xylene (total)	21.5		7.7		95*	10

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.4.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92630-1DUP	N0059752.D	1	05/18/12	RB	n/a	n/a	VN2477
F92630-1	N0059751.D	1	05/18/12	RB	05/15/12	OP41824	VN2477

The QC reported here applies to the following samples: **Method: SW846 8260B**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries	DUP	F92630-1	Limits
1868-53-7	Dibromofluoromethane	91%	90%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%a	103%	76-127%
2037-26-5	Toluene-D8	98%a	97%	86-112%
460-00-4	4-Bromofluorobenzene	96%a	95%a	84-120%

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LB	X023462.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.4	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LB	X023462.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	42%	14-62%
4165-62-2	Phenol-d5	26%	10-40%

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LB	X023462.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	73%	33-118%
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	79%	39-121%

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LB	T002260.D	1	05/15/12	FS	05/12/12	OP41785	ST125

5.1.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5 0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5 0	0 50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5 0	0 50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5 0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5 0	0 54	ug/l	
	3&4-Methylphenol	ND	5 0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5 4	ug/l	
108-95-2	Phenol	ND	5 0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5 0	0 50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5 0	0 50	ug/l	
83-32-9	Acenaphthene	ND	5 0	0 50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0 50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5 0	0 50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5 0	0 50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0 50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0 50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1 1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0 50	ug/l	
86-74-8	Carbazole	ND	5 0	0 50	ug/l	
218-01-9	Chrysene	ND	5 0	0 50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0 54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5 0	0 54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5 0	0 50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5 0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LB	T002260.D	1	05/15/12	FS	05/12/12	OP41785	ST125

5.1.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5 0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5 0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5 0	0 50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5 0	0 52	ug/l	
132-64-9	Dibenzofuran	ND	5 0	0 50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5 0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5 0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5 0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5 0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5 0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5 0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5 0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0 50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0 50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5 0	0 59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5 0	0 50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5 0	0 50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5 0	0 50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	24%	10-40%

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LB	T002260 D	1	05/15/12	FS	05/12/12	OP41785	ST125

5.1.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Trihromophenol	76%	33-118%
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	67%	40-106%
1718-51-0	Terphenyl-d14	83%	39-121%

Blank Spike Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LBS	X023461 D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.2.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	24 0	24	10-50
95-57-8	2-Chlorophenol	50	41.5	83	44-103
59-50-7	4-Chloro-3-methyl phenol	50	40 1	80	53-105
120-83-2	2,4-Dichlorophenol	50	38.4	77	53-108
105-67-9	2,4-Dimethylphenol	50	34 8	70	37-91
51-28-5	2,4-Dinitrophenol	100	80 6	81	37-111
534-52-1	4,6-Dinitro-o-cresol	100	94.0	94	62-115
95-48-7	2-Methylphenol	50	36 7	73	35-91
	3&4-Methylphenol	100	65.9	66	32-85
88-75-5	2-Nitrophenol	50	40.0	80	49-111
100-02-7	4-Nitrophenol	100	42.7	43	13-55
87-86-5	Pentachlorophenol	100	89.1	89	57-118
108-95-2	Phenol	50	17 2	34	13-54
95-95-4	2,4,5-Trichlorophenol	50	49.0	98	59-106
88-06-2	2,4,6-Trichlorophenol	50	46 0	92	58-107
83-32-9	Acenaphthene	50	44.4	89	58-106
208-96-8	Acenaphthylene	50	43 9	88	58-105
120-12-7	Anthracene	50	45 1	90	65-108
56-55-3	Benzo(a)anthracene	50	46.2	92	63-111
50-32-8	Benzo(a)pyrene	50	43 2	86	62-106
205-99-2	Benzo(b)fluoranthene	50	46.4	93	63-109
191-24-2	Benzo(g,h,i)perylene	50	46 8	94	61-111
207-08-9	Benzo(k)fluoranthene	50	45 8	92	64-111
101-55-3	4-Bromophenyl phenyl ether	50	45.2	90	64-107
85-68-7	Butyl benzyl phthalate	50	48.4	97	59-114
100-51-6	Benzyl Alcohol	50	39 5	79	34-98
91-58-7	2-Chloronaphthalene	50	43.7	87	54-105
106-47-8	4-Chloroaniline	50	38 2	76	53-103
86-74-8	Carbazole	50	47.3	95	66-109
218-01-9	Chrysene	50	46 0	92	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	40 9	82	48-101
111-44-4	bis(2-Chloroethyl)ether	50	44 8	90	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	55.7	111*	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	44 2	88	61-107
95-50-1	1,2-Dichlorobenzene	50	42 4	85	41-102
541-73-1	1,3-Dichlorobenzene	50	40.5	81	38-100

Blank Spike Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LBS	X023461.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	40.9	82	40-100
121-14-2	2,4-Dinitrotoluene	50	46.9	94	60-109
606-20-2	2,6-Dinitrotoluene	50	46.6	93	58-104
91-94-1	3,3'-Dichlorobenzidine	50	43.9	88	57-105
53-70-3	Dibenzo(a,h)anthracene	50	47.9	96	62-112
132-64-9	Dibenzofuran	50	45.3	91	61-108
84-74-2	Di-n-butyl phthalate	50	45.3	91	62-109
117-84-0	Di-n-octyl phthalate	50	50.0	100	60-120
84-66-2	Diethyl phthalate	50	46.2	92	62-109
131-11-3	Dimethyl phthalate	50	45.8	92	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	49.3	99	59-116
206-44-0	Fluoranthene	50	43.1	86	65-114
86-73-7	Fluorene	50	44.1	88	61-106
118-74-1	Hexachlorobenzene	50	44.1	88	62-107
87-68-3	Hexachlorobutadiene	50	36.4	73	38-107
77-47-4	Hexachlorocyclopentadiene	50	38.7	77	19-84
67-72-1	Hexachloroethane	50	44.6	89	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	47.8	96	61-113
78-59-1	Isophorone	50	36.1	72	56-111
91-57-6	2-Methylnaphthalene	50	39.1	78	56-112
88-74-4	2-Nitroaniline	50	56.3	113*	60-109
99-09-2	3-Nitroaniline	50	44.8	90	52-107
100-01-6	4-Nitroaniline	50	51.6	103	59-111
91-20-3	Naphthalene	50	37.2	74	50-104
98-95-3	Nitrobenzene	50	43.6	87	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	48.9	98	51-104
86-30-6	N-Nitrosodiphenylamine	50	46.4	93	57-110
85-01-8	Phenanthrene	50	46.4	93	65-108
129-00-0	Pyrene	50	45.6	91	60-113
120-82-1	1,2,4-Trichlorobenzene	50	35.4	71	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	48%a	14-62%
4165-62-2	Phenol-d5	29%a	10-40%

Blank Spike Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-LBS	X023461.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	86%	33-118%
4165-60-0	Nitrobenzene-d5	82%a	42-108%
321-60-8	2-Fluorobiphenyl	85%a	40-106%
1718-51-0	Terphenyl-d14	87%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-MS	X023464.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
OP41785-MSD	X023465.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-1 a	X023463.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		200	110	55*	110	55*	0	10-50/40
95-57-8	2-Chlorophenol	ND		100	78.8	79	87.0	87	10	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	79.0	79	85.8	86	8	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	72.8	73	79.4	79	9	53-108/26
105-67-9	2,4-Dimethylphenol	ND		100	70.0	70	76.5	77	9	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	183	92	200	100	9	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	183	92	200	100	9	62-115/26
95-48-7	2-Methylphenol	ND		100	78.0	78	84.5	85	8	35-91/30
	3&4-Methylphenol	ND		200	151	76	165	83	9	32-85/29
88-75-5	2-Nitrophenol	ND		100	74.2	74	80.9	81	9	49-111/30
100-02-7	4-Nitrophenol	ND		200	138	69*	141	71*	2	13-55/31
87-86-5	Pentachlorophenol	ND		200	172	86	189	95	9	57-118/26
108-95-2	Phenol	0.79	J	100	52.5	52	51.8	51	1	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	92.4	92	103	103	11	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	86.5	87	95.1	95	9	58-107/24
83-32-9	Acenaphthene	1.8	J	100	83.8	82	93.9	92	11	58-106/21
208-96-8	Acenaphthylene	ND		100	80.8	81	89.5	90	10	58-105/21
120-12-7	Anthracene	ND		100	83.2	83	93.4	93	12	65-108/19
56-55-3	Benzo(a)anthracene	ND		100	85.9	86	96.0	96	11	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	80.6	81	91.5	92	13	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	87.5	88	98.2	98	12	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	86.3	86	95.8	96	10	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	85.5	86	94.7	95	10	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	83.0	83	91.7	92	10	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	90.4	90	99.6	100	10	59-114/20
100-51-6	Benzyl Alcohol	ND		100	87.3	87	94.6	95	8	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	80.7	81	90.1	90	11	54-105/24
106-47-8	4-Chloroaniline	ND		100	62.8	63	67.9	68	8	53-103/22
86-74-8	Carbazole	0.87	J	100	88.7	88	101	100	13	66-109/20
218-01-9	Chrysene	ND		100	84.2	84	93.3	93	10	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	76.0	76	83.2	83	9	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	83.4	83	91.5	92	9	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	101	101	111	111*	9	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	81.5	82	91.7	92	12	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	77.1	77	84.5	85	9	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	75.8	76	82.1	82	8	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-MS	X023464.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
OP41785-MSD	X023465.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-1 a	X023463.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	76.0	76	83.6	84	10	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	86.1	86	97.4	97	12	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	86.2	86	95.8	96	11	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	67.1	67	73.2	73	9	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	88.4	88	100	100	12	62-112/20
132-64-9	Dibenzofuran	1.2	J	100	84.4	83	94.9	94	12	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	84.1	84	94.1	94	11	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	93.8	94	106	106	12	60-120/24
84-66-2	Diethyl phthalate	ND		100	86.8	87	97.9	98	12	62-109/19
131-11-3	Dimethyl phthalate	ND		100	83.7	84	95.0	95	13	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	92.1	92	102	102	10	59-116/21
206-44-0	Fluoranthene	ND		100	79.6	80	90.9	91	13	65-114/21
86-73-7	Fluorene	1.8	J	100	82.9	81	93.4	92	12	61-106/19
118-74-1	Hexachlorobenzene	ND		100	79.5	80	89.1	89	11	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	69.0	69	74.6	75	8	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	73.4	73	81.8	82	11	19-84/35
67-72-1	Hexachloroethane	ND		100	84.9	85	93.1	93	9	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	88.5	89	98.5	99	11	61-113/20
78-59-1	Isophorone	ND		100	66.6	67	73.6	74	10	56-111/26
91-57-6	2-Methylnaphthalene	9.7		100	81.3	72	90.8	81	11	56-112/26
88-74-4	2-Nitroaniline	ND		100	103	103	116	116*	12	60-109/20
99-09-2	3-Nitroaniline	ND		100	74.5	75	84.1	84	12	52-107/21
100-01-6	4-Nitroaniline	ND		100	94.4	94	108	108	13	59-111/21
91-20-3	Naphthalene	11.5		100	71.8	60	80.4	69	11	50-104/28
98-95-3	Nitrobenzene	ND		100	80.7	81	88.3	88	9	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	89.5	90	102	102	13	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	83.8	84	95.5	96	13	57-110/19
85-01-8	Phenanthrene	2.9	J	100	85.9	83	96.2	93	11	65-108/20
129-00-0	Pyrene	ND		100	84.5	85	92.2	92	9	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	66.1	66	71.2	71	7	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F92630-1	Limits
367-12-4	2-Fluorophenol	63%a b	64%a b	46%	14-62%
4165-62-2	Phenol-d5	46%a b	46%a b	28%a	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-MS	X023464.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
OP41785-MSD	X023465.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-1 [a]	X023463.D	1	05/14/12	FS	05/12/12	OP41785	SX1144

5.3.1 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries	MS	MSD	F92630-1	Limits
118-79-6	2,4,6-Tribromophenol	81%	90%	90%	33-118%
4165-60-0	Nitrobenzene-d5	76%	82%	91%	42-108%
321-60-8	2-Fluorobiphenyl	78%	86%	84%	40-106%
1718-51-0	Terphenyl-d14	82%	89%	88%	39-121%

(a) Sample extracted beyond hold time.
(b) Outside control limits.

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-DUP	X023467.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-2 [a]	X023466.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-2 [a]	T002262.D	10	05/15/12	FS	05/12/12	OP41785	ST125

6.4.1 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
65-85-0	Benzoic Acid	13.2	J	11.6	J	13	40
95-57-8	2-Chlorophenol	ND		ND		nc	29
59-50-7	4-Chloro-3-methyl phenol	ND		ND		nc	24
120-83-2	2,4-Dichlorophenol	ND		ND		nc	26
105-67-9	2,4-Dimethylphenol	1.5	J	1.8	J	18	28
51-28-5	2,4-Dinitrophenol	ND		ND		nc	30
534-52-1	4,6-Dinitro-o-cresol	ND		ND		nc	26
95-48-7	2-Methylphenol	ND		ND		nc	30
	3&4-Methylphenol	ND		ND		nc	29
88-75-5	2-Nitrophenol	ND		ND		nc	30
100-02-7	4-Nitrophenol	ND		ND		nc	31
87-86-5	Pentachlorophenol	ND		ND		nc	26
108-95-2	Phenol	ND		ND		nc	34
95-95-4	2,4,5-Trichlorophenol	ND		ND		nc	23
88-06-2	2,4,6-Trichlorophenol	ND		ND		nc	24
83-32-9	Acenaphthene	27.2		32.2		17	21
208-96-8	Acenaphthylene	1.7	J	2.3	J	30*	21
120-12-7	Anthracene	4.3	J	4.7	J	9	19
56-55-3	Benzo(a)anthracene	ND		ND		nc	19
50-32-8	Benzo(a)pyrene	ND		ND		nc	20
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	20
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	21
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	20
101-55-3	4-Bromophenyl phenyl ether	ND		ND		nc	20
85-68-7	Butyl benzyl phthalate	ND		ND		nc	20
100-51-6	Benzyl Alcohol	ND		ND		nc	27
91-58-7	2-Chloronaphthalene	ND		ND		nc	24
106-47-8	4-Chloroaniline	ND		ND		nc	22
86-74-8	Carbazole	17.8		23.5		28*	20
218-01-9	Chrysene	ND		ND		nc	19
111-91-1	bis(2-Chloroethoxy)methane	ND		ND		nc	28
111-44-4	bis(2-Chloroethyl)ether	ND		ND		nc	27
108-60-1	bis(2-Chloroisopropyl)ether	ND		ND		nc	27
7005-72-3	4-Chlorophenyl phenyl ether	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	28
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	28

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-DUP	X023467.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-2 [a]	X023466.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-2 [a]	T002262.D	10	05/15/12	FS	05/12/12	OP41785	ST125

5.4.1 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	28
121-14-2	2,4-Dinitrotoluene	ND		ND		nc	20
606-20-2	2,6-Dinitrotoluene	ND		ND		nc	21
91-94-1	3,3'-Dichlorobenzidine	ND		ND		nc	25
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	20
132-64-9	Dibenzofuran	22.2		25.9		15	20
84-74-2	Di-n-butyl phthalate	ND		ND		nc	20
117-84-0	Di-n-octyl phthalate	ND		ND		nc	24
84-66-2	Diethyl phthalate	ND		ND		nc	19
131-11-3	Dimethyl phthalate	ND		ND		nc	19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		ND		nc	21
206-44-0	Fluoranthene	1.4	J	1.4	J	0	21
86-73-7	Fluorene	21.4		24.4		13	19
118-74-1	Hexachlorobenzene	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	30
77-47-4	Hexachlorocyclopentadiene	ND		ND		nc	35
67-72-1	Hexachloroethane	ND		ND		nc	29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	20
78-59-1	Isophorone	ND		ND		nc	26
91-57-6	2-Methylnaphthalene	62.8		80.9		25	26
88-74-4	2-Nitroaniline	ND		ND		nc	20
99-09-2	3-Nitroaniline	ND		ND		nc	21
100-01-6	4-Nitroaniline	ND		ND		nc	21
91-20-3	Naphthalene	441 [b]		497	E	12	28
98-95-3	Nitrobenzene	ND		ND		nc	28
621-64-7	N-Nitroso-di-n-propylamine	ND		ND		nc	28
86-30-6	N-Nitrosodiphenylamine	ND		ND		nc	19
85-01-8	Phenanthrene	21.0		22.3		6	20
129-00-0	Pyrene	1.4	J	1.3	J	7	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	F92630-2	F92630-2	Limits
367-12-4	2-Fluorophenol	47%	48%	47%	14-62%
4165-62-2	Phenol-d5	28%	29%	30%	10-40%

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41785-DUP	X023467.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-2 [a]	X023466.D	1	05/14/12	FS	05/12/12	OP41785	SX1144
F92630-2 [a]	T002262.D	10	05/15/12	FS	05/12/12	OP41785	ST125

5.4.1 5

The QC reported here applies to the following samples: **Method: SW846 8270D**

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Surrogate Recoveries	DUP	F92630-2	F92630-2	Limits
118-79-6	2,4,6-Tribromophenol	88%	90%	103%	33-118%
4165-60-0	Nitrobenzene-d5	96%	95%	98%	42-108%
321-60-8	2-Fluorobiphenyl	84%	84%	90%	40-106%
1718-51-0	Terphenyl-d14	86%	88%	102%	39-121%

(a) Sample extracted beyond hold time.
(b) Result is from Run #2.

Southeast ACCUTEST LABORATORIES

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4679-LB	CD114848.D	1	05/16/12	MM	n/a	n/a	GCD4679

6.1.1

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	58-120%

Blank Spike/Blank Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4675-BS	CD114753.D	1	05/09/12	MM	n/a	n/a	GCD4675
GCD4675-BSD	CD114754.D	1	05/09/12	MM	n/a	n/a	GCD4675

6.2.1

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.4	0.403	101	0.395	99	2	75-129/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	109%	109%	57-129%
98-08-8	aaa-Trifluorotoluene	111%	110%	58-120%

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92630-1DUP	CD114758.D	5	05/09/12	MM	n/a	n/a	GCD4675
F92630-1 *	CD114757.D	5	05/09/12	MM	05/07/12	OP41828	GCD4675

6.3.1

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	1.74	B	1.71		2	13

CAS No.	Surrogate Recoveries	DUP	F92630-1	Limits
460-00-4	4-Bromofluorobenzene	111%	110%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	104%	58-120%

(a) Results confirmed by analysis of leachate extracted beyond hold time.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41761-LB	LL41293.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

7.4.1

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CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	42-114%

Blank Spike Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41761-LBS	LL41292.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

7.2.1

7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	10	10.6	106	59-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	102%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41761-MS	LL41297.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
OP41761-MSD	LL41298.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
F92630-2	LL41296.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

7.3.1

7

CAS No.	Compound	F92630-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1.79	J	10	11.3	95	11.7	99	3	59-114/34

CAS No.	Surrogate Recoveries	MS	MSD	F92630-2	Limits
84-15-1	o-Terphenyl	93%	96%	96%	42-114%

Duplicate Summary

Job Number: F92630
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41761-DUP	LL41295.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582
F92630-1	LL41294.D	1	05/10/12	SJL	05/10/12	OP41761	GLL1582

The QC reported here applies to the following samples: **Method:** SW846 8015C

F92630-1, F92630-2, F92630-3, F92630-4

CAS No.	Compound	F92630-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH (C10-C28)	1.24	J	1.14	J	8	34

CAS No.	Surrogate Recoveries	DUP	F92630-1	Limits
84-15-1	o-Terphenyl	94%	96%	42-114%

7.4.1

7

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22742 Methods: SW846 6010C
Matrix Type: LEACHATE Units: mg/l

Prep Date:				05/08/12		05/08/12	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	0.20	.02	.025				
Antimony	0.0060	.001	.002				
Arsenic	0.050	.001	.002	-0.00048	<0.050	-0.0016	<0.050
Barium	1.0	.001	.005	0.00010	<1.0	0.00010	<1.0
Beryllium	0.0040	.0001	.001				
Cadmium	0.0050	.0001	.001	-0.00010	<0.0050	-0.00010	<0.0050
Calcium	1.0	.05	.1				
Chromium	0.010	.001	.001	0.00030	<0.010	0.00020	<0.010
Cobalt	0.050	.001	.001				
Copper	0.025	.001	.002				
Iron	0.30	.034	.035				
Lead	0.050	.001	.001	-0.00030	<0.050	-0.00070	<0.050
Magnesium	5.0	.05	.1				
Manganese	0.015	.001	.001				
Molybdenum	0.050	.001	.002				
Nickel	0.040	.001	.002				
Potassium	10	.05	.5				
Selenium	0.050	.002	.002	0.0014	<0.050	-0.0028	<0.050
Silver	0.010	.001	.001	-0.00020	<0.010	0.0	<0.010
Sodium	10	.75	1.9				
Strontium	0.010	.001	.001				
Thallium	0.010	.001	.0019				
Tin	0.050	.001	.001				
Titanium	0.010	.0011	.002				
Vanadium	0.050	.001	.001				
Zinc	0.10	.001	.005				

Associated samples MP22742: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 1

8.1.1

8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22742 Methods: SW846 6010C
Matrix Type: LEACHATE Units: mg/l

Prep Date:				05/08/12					05/08/12	
Metal	F92630-1 Original	DUP	RPD	QC Limits	F92630-1 Original	MS	Spikelot MPFLICP1 4	Rec	QC Limits
Aluminum									
Antimony									
Arsenic	0.0065	0.0048	4.5	0-20	0.0065	2.2	2.0	109.7	80-120
Barium	0.076	0.075	1.3	0-20	0.076	2.3	2.0	111.2	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	0.053	0.050	106.0	80-120
Calcium									
Chromium	0.0084	0.0085	1.2	0-20	0.0084	0.22	0.20	105.8	80-120
Cobalt									
Copper									
Iron									
Lead	0.0010	0.0	200.0(a)	0-20	0.0010	0.51	0.50	101.8	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0040	0.0031	25.4 (a)	0-20	0.0040	2.2	2.0	109.8	80-120
Silver	0.0	0.0	NC	0-20	0.0	0.053	0.050	106.0	80-120
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP22742: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(M) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

Page 1

8.1.2

8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22742 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 05/08/12

Metal	F92630-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0065	2.2	2.0	109.7	0.0	20
Barium	0.076	2.2	2.0	106.2	4.4	20
Beryllium						
Cadmium	0.0	0.053	0.050	106.0	0.0	20
Calcium						
Chromium	0.0084	0.22	0.20	105.8	0.0	20
Cobalt						
Copper						
Iron						
Lead	0.0010	0.52	0.50	103.8	1.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0040	2.2	2.0	109.8	0.0	20
Silver	0.0	0.053	0.050	106.0	0.0	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP22742: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(M) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.1.2 8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22742 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 05/08/12 — 05/08/12

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	2.1	2.0	105.0	80-120	2.1	2.0	105.0	80-120
Barium	2.1	2.0	105.0	80-120	2.1	2.0	105.0	80-120
Beryllium								
Cadmium	0.052	0.050	104.0	80-120	0.052	0.050	104.0	80-120
Calcium								
Chromium	0.21	0.20	105.0	80-120	0.21	0.20	105.0	80-120
Cobalt								
Copper								
Iron								
Lead	0.51	0.50	102.0	80-120	0.50	0.50	100.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium	2.1	2.0	105.0	80-120	2.0	2.0	100.0	80-120
Silver	0.051	0.050	102.0	80-120	0.051	0.050	102.0	80-120
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP22742: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.3 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22742 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: ug/l

Prep Date: 05/08/12

Metal	F92630-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	6.50	0.00	100.0(a)	0-10
Barium	76.1	76.9	1.1	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	8.40	10.9	29.8 (a)	0-10
Cobalt				
Copper				
Iron				
Lead	1.00	0.00	100.0(a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	4.00	0.00	100.0(a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP22742: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.1.4 8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22771 — Methods: SW846 7470A
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 05/11/12 — 05/11/12

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.0010	.00004	.00005	-0.000009	<0.0010	-0.00038	<0.0010

Associated samples MP22771: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.1 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22771 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 05/11/12 05/11/12

Metal	F92630-1 Original	DUP	RPD	QC Limits	F92630-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.031	0.030	103.3	80-120

Associated samples MP22771: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22771 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 05/11/12 05/11/12

Metal	F92630-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit	F92630-2 Original	DUP	RPD	QC Limits
Mercury	0.0	0.030	0.030	100.0	3.3	20	0.0	0.0	NC	0-20

Associated samples MP22771: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2 8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22771 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 05/11/12 05/11/12

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0030	0.0030	100.0	80-120	0.030	0.030	100.0	80-120

Associated samples MP22771: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.3 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: F92630
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22771 Methods: SW846 7470A
Matrix Type: LEACHATE Units: ug/l

Prep Date: 05/11/12

Metal	F92630-1 Original	SDL 1:5	%Dif	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP22771: F92630-1, F92630-2, F92630-3, F92630-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.4 8

e-Hardcopy 2.0
Automated Report

Southeast ACCUTEST LABORATORIES

06/12/12

Technical Report for

Remedial Construction Services

El Paso Phase II/2-3529; TX

Accutest Job Number: F93542

Sampling Dates: 05/01/12 - 05/21/12

Report to:

Remedial Construction Services
9977 W Sam Houston Pk Dr
Houston, TX 77064
matt.meyers@reconservices.com

ATTN: Matt Meyers

Total number of pages in report: **90**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

Remedial Construction Services

El Paso Phase II/2-3529; TX

Job No: F93542

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F93542-1	05/01/12	16:00	CG	05/30/12	SO	Sludge	ELDKS-GRDN11-050112
F93542-2	05/09/12	16:00	CG	05/30/12	SO	Sludge	ELDKS-GRDP9-050912
F93542-3	05/15/12	16:00	CG	05/30/12	SO	Sludge	ELDKS-GRDT8-051512
F93542-4	05/21/12	16:00	CG	05/30/12	SO	Sludge	ELDKS-GRDX4-052112

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Section 2

Southeast ACCUTEST LABORATORIES

2

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0060238.D	1	06/07/12	RB	06/06/12	OP42115	VN2504
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.010	mg/l	
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00053		0.0010	0.00020	mg/l	J
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride [a]	0.0152		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.00092		0.0010	0.00020	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0028		0.0030	0.00052	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80% [b]		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Associated CCV and BS outside control limits.
(b) Outside control limits due to matrix interference. Confirmed by sample duplicate.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T002518.D	1	06/07/12	FS	06/07/12	OP42129	ST137
Run #2	T002540.D	2	06/11/12	FS	06/07/12	OP42129	ST138

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0251		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	0.0013		0.0050	0.00050	mg/l	J
120-12-7	Anthracene	0.0041		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0063		0.0050	0.00050	mg/l	
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0181		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.0029		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0208		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0340		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.168 [b]		0.010	0.0016	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00099	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0264		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.0019		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%	39%	14-62%
4165-62-2	Phenol-d5	30%	29%	10-40%
118-79-6	2,4,6-Tribromophenol	103%	93%	33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%	71%	42-108%
321-60-8	2-Fluorobiphenyl	84%	76%	40-106%
1718-51-0	Terphenyl-d14	100%	96%	39-121%

(a) Compound outside limits in associated BS.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD115286 D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		57-129%
98-08-8	aaa-Trifluorotoluene	102%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41639.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	2.46		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDN11-050112		
Lab Sample ID:	F93542-1	Date Sampled:	05/01/12
Matrix:	SO - Sludge	Date Received:	05/30/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.017		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	06/08/12	06/08/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9845
(2) Instrument QC Batch: MA9856
(3) Prep QC Batch: MP22946
(4) Prep QC Batch: MP22974

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	**Date Sampled:**	05/09/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0060277.D	1	06/08/12	RB	06/06/12	OP42115	VN2508
Run #2 [a]	N0060240.D	1	06/07/12	RB	06/06/12	OP42115	VN2504

	Purge Volume
Run #1	5.0 ml
Run #2	5 0 ml

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0309		0.025	0 010	mg/l	
71-43-2	Benzene	ND		0.0010	0 00020	mg/l	
75-27-4	Bromodichloromethane	ND		0 0010	0 00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0 00020	mg/l	
75-00-3	Chloroethane	ND		0 0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0 00022	mg/l	
75-15-0	Carbon disulfide	0.00055		0 0020	0 00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0 0010	0 00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0 00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0 00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0 0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0 0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0 00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0 0010	0 00020	mg/l	
100-41-4	Ethylbenzene	0.0012		0.0010	0 00020	mg/l	
591-78-6	2-Hexanone	ND		0 010	0 0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0 0050	0 0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0 00050	mg/l	
75-09-2	Methylene chloride [b]	0.0133		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0 0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0 00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0012		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	**Date Sampled:**	05/09/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0 0010	0 00022	mg/l	
1330-20-7	Xylene (total)	0.0045		0 0030	0 00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%	82% [c]	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	104%	76-127%
2037-26-5	Toluene-D8	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	103%	84-120%

(a) Confirmation run
(b) CCV outside of control limits
(c) Outside control limits

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	**Date Sampled:**	05/09/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T002520 D	1	06/07/12	FS	06/07/12	OP42129	ST137
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0 010	mg/l	
95-57-8	2-Chlorophenol	ND		0 0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0 0050	0 00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0 0050	0 00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0 025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0 0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0 0011	mg/l	
88-75-5	2-Nitrophenol	ND		0 0050	0 00054	mg/l	
100-02-7	4-Nitrophenol	ND		0 025	0 0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0 0054	mg/l	
108-95-2	Phenol	0.00071		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0 0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0 0050	0 00050	mg/l	
83-32-9	Acenaphthene	ND		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.00053		0.0050	0 00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0 00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0 0050	0 00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0 0050	0 00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0 00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0 0050	0 00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0 0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0 0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0 0050	0 00050	mg/l	
86-74-8	Carbazole	0.0015		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0 0050	0 00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0 0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	**Date Sampled:**	05/09/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0 00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0 0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0 0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0 0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0 00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0 0050	0 00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0 010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND		0 0050	0.00052	mg/l	
132-64-9	Dibenzofuran	ND		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0 0050	0 00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0 0050	0 0011	mg/l	
84-66-2	Diethyl phthalate	ND		0 0050	0 0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0 0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.00072		0 0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0 0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0 010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0 0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0 0050	0 00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0055		0 0050	0 00057	mg/l	
88-74-4	2-Nitroaniline	ND		0 0050	0 00050	mg/l	
99-09-2	3-Nitroaniline	ND		0 0050	0 00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0 00050	mg/l	
91-20-3	Naphthalene	0.0029		0.0050	0 00080	mg/l	J
98-95-3	Nitrobenzene	ND		0 0050	0 00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0 00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0 0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0018		0 0050	0.00050	mg/l	J
129-00-0	Pyrene	ND		0 0050	0.00050	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0 0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	97%		33-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	Date Sampled:	05/09/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	96%		39-121%

(a) Compound outside limits in associated BS.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	Date Sampled:	05/09/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD115287.D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0833		0.10	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		57-129%
98-08-8	aaa-Trifluorotoluene	104%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	Date Sampled:	05/09/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41642.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.65		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDP9-050912		
Lab Sample ID:	F93542-2	Date Sampled:	05/09/12
Matrix:	SO - Sludge	Date Received:	05/30/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.027		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	06/08/12	06/08/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9845
(2) Instrument QC Batch: MA9856
(3) Prep QC Batch: MP22946
(4) Prep QC Batch: MP22974

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0060241.D	1	06/07/12	RB	06/06/12	OP42115	VN2504
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0137		0.025	0.010	mg/l	J
71-43-2	Benzene	0.00048		0.0010	0.00020	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0019		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0016		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride *	0.0159		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0035		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0049		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

(a) Associated CCV and BS outside control limits.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T002523.D	1	06/07/12	FS	06/07/12	OP42129	ST137
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0117		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	0.00087		0.0050	0.00050	mg/l	J
120-12-7	Anthracene	0.0019		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0045		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene *	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0090		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.0011		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0107		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0231		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0673		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0134		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.0010		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		14-62%
4165-62-2	Phenol-d5	30%		10-40%
118-79-6	2,4,6-Tribromophenol	111%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		42-108%
321-60-8	2-Fluorobiphenyl	91%		40-106%
1718-51-0	Terphenyl-d14	110%a		39-121%

(a) Compound outside limits in associated BS.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD115288.D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.101		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		57-129%
98-08-8	aaa-Trifluorotoluene	114%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41643 D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.68		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDT8-051512		
Lab Sample ID:	F93542-3	Date Sampled:	05/15/12
Matrix:	SO - Sludge	Date Received:	05/30/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	< 0.010		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	06/08/12	06/08/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9845
(2) Instrument QC Batch: MA9856
(3) Prep QC Batch: MP22946
(4) Prep QC Batch: MP22974

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	**Date Sampled:**	05/21/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0060242.D	1	06/07/12	RB	06/06/12	OP42115	VN2504
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0259		0.025	0.010	mg/l	
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0012		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00080		0.0010	0.00020	mg/l	J
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride [a]	0.0156		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0102		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	0.00052		0.0010	0.00026	mg/l	J

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	**Date Sampled:**	05/21/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0037		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Associated CCV and BS outside control limits

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	**Date Sampled:**	05/21/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T002541.D	1	06/11/12	FS	06/07/12	OP42129	ST138
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	ND		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.00056		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.00066		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.00068		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0022		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	**Date Sampled:**	05/21/12
Matrix:	SO - Sludge	**Date Received:**	05/30/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene [b]	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	ND		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.00078		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0047		0.0050	0.00057	mg/l	J
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0030		0.0050	0.00080	mg/l	J
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0020		0.0050	0.00050	mg/l	J
129-00-0	Pyrene	ND		0.0050	0.00050	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	93%		33-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	Date Sampled:	05/21/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	76%		40-106%
1718-51-0	Terphenyl-d14	93%		39-121%

(a) Dilution required due to matrix interference.
(b) Compound outside limits in associated BS.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	Date Sampled:	05/21/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD115289.D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0671		0.10	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		57-129%
98-08-8	aaa-Trifluorotoluene	102%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	Date Sampled:	05/21/12
Matrix:	SO - Sludge	Date Received:	05/30/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL41644.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1 67		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDX4-052112		
Lab Sample ID:	F93542-4	Date Sampled:	05/21/12
Matrix:	SO - Sludge	Date Received:	05/30/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.029		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	06/08/12	06/08/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/05/12	06/05/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9845
(2) Instrument QC Batch: MA9856
(3) Prep QC Batch: MP22946
(4) Prep QC Batch: MP22974

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Section 3

Southeast ACCUTEST LABORATORIES

3

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (TX)
- Chain of Custody

RECON

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD F93542

Project Name/No. El Paso Phase II / 2-3529
Sample Team Joe Richardson
Profit Center No. N/A
Project Manager Matt Meyers
Purchase Order No. 2-3529-10xx
Required Report Date See Below

Sampler Shipment Date 12/19/2011
Lab Destination Accutest Laboratories
Lab Contact Heather Wardley
Project Contact/Phone 417-431-4706
Carrier/Waybill No.

Bill to: Matt Meyers, 8877 West Sam Houston PKY North, Suite 100, Houston, Tx 77064
Report to: Matt Meyers, 8877 West Sam Houston PKY North, Suite 100, Houston, Tx 77064

ONE CONTAINER PER LINE

Sample Number	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record No.
01JN2-CS20111-001S12	Stabilized Sludge	05/01/12 1600	3x6 Cyl.	1- 3x6				
02JN2-CS20111-002S12	Stabilized Sludge	05/09/12 1600	3x6 Cyl.	1- 3x6				
03JN2-CS20111-003S12	Stabilized Sludge	05/15/12 1600	3x6 Cyl.	1- 3x6				
04JN2-CS20111-004S12	Stabilized Sludge	05/21/12 1600	3x6 Cyl.	1- 3x6				

Special Instructions:
Possible Hazard Identification: Non-toxic ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐
Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive ___ mos.
Turnaround Time Required: Normal ☑ Rush ☐ Signature(s)
QC Level: NA I ☑ II ☐ III ☐ Project Specific (specify):

1. Relinquished by (Signature/Affiliation) Carlos Quintana Date 5/30/12 Time 1540
2. Relinquished by (Signature/Affiliation) Date 05-30-12 Time 0930
3. Relinquished by (Signature/Affiliation) Date ___ Time ___

1. Received by (Signature/Affiliation) PO Date ___ Time ___
2. Received by (Signature/Affiliation) Date 05-30-12 Time 0930
3. Received by (Signature/Affiliation) Date ___ Time ___

Comments: 3.8

F93542: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F93542 CLIENT: Recon PROJECT: El Paso Phase II / 2-3529
DATE/TIME RECEIVED: 05-30-12 0930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 7936 1437 7410

COOLER INFORMATION
- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION
- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION
NUMBER OF ENCORES? 25-GRAM ___ 5-GRAM ___
NUMBER OF 5035 FIELD KITS? ___
NUMBER OF LAB FILTERED METALS? ___

TEMPERATURE INFORMATION
- [ ] IR THERM ID 3 CORR. FACTOR -0.0
- [ ] OBSERVED TEMPS: 3.8
- [ ] CORRECTED TEMPS: 3.8

SAMPLE INFORMATION
- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: ___

TECHNICIAN SIGNATURE/DATE: 05-30-12
REVIEWER SIGNATURE/DATE: 05/30/12

NF 12/10 receipt confirmation 122910.xls

F93542: Chain of Custody
Page 2 of 2

Section 4

Southeast ACCUTEST LABORATORIES

4

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.1.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42115-LB	N0060228.D	1	06/07/12	RB	06/06/12	OP42115	VN2504

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.1.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42115-LB	N0060228.D	1	06/07/12	RB	06/06/12	OP42115	VN2504

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.1.2 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42115-LB	N0060259.D	1	06/08/12	RB	06/06/12	OP42115	VN2508

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.1.2 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42115-LB	N0060259.D	1	06/08/12	RB	06/06/12	OP42115	VN2508

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2504-BS	N0060226.D	1	06/07/12	RB	n/a	n/a	VN2504

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-1, F93542-3, F93542-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	110	88	59-134
71-43-2	Benzene	25	26.1	104	83-124
75-27-4	Bromodichloromethane	25	28.8	115	76-116
75-25-2	Bromoform	25	25.8	103	68-128
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	24.1	96	54-166
67-66-3	Chloroform	25	27.6	110	85-123
75-15-0	Carbon disulfide	25	25.9	104	67-147
56-23-5	Carbon tetrachloride	25	31.1	124	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	30.2	121	75-133
107-06-2	1,2-Dichloroethane	25	28.8	115	76-122
78-87-5	1,2-Dichloropropane	25	26.5	106	81-120
124-48-1	Dibromochloromethane	25	26.8	107	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.6	106	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.9	112	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.0	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.2	113	87-123
100-41-4	Ethylbenzene	25	26.4	106	87-118
591-78-6	2-Hexanone	125	129	103	58-125
108-10-1	4-Methyl-2-pentanone	125	131	105	62-125
74-83-9	Methyl bromide	25	28.3	113	55-151
74-87-3	Methyl chloride	25	29.2	117	55-173
75-09-2	Methylene chloride	25	39.0	156*	69-125
78-93-3	Methyl ethyl ketone	125	124	99	61-127
100-42-5	Styrene	25	24.5	98	78-118
71-55-6	1,1,1-Trichloroethane	25	29.3	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	26.0	104	80-114
127-18-4	Tetrachloroethylene	25	28.1	112	80-131
108-88-3	Toluene	25	25.4	102	86-116
79-01-6	Trichloroethylene	25	28.0	112	85-124
75-01-4	Vinyl chloride	25	26.6	106	57-153
1330-20-7	Xylene (total)	75	78.6	105	86-120

4.2.1 4

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2504-BS	N0060226.D	1	06/07/12	RB	n/a	n/a	VN2504

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-1, F93542-3, F93542-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

4.2.1 4

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2508-BS [a]	N0060256.D	1	06/08/12	RB	n/a	n/a	VN2508

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	142	114	59-134
71-43-2	Benzene	25	26.5	106	83-124
75-27-4	Bromodichloromethane	25	27.8	111	76-116
75-25-2	Bromoform	25	24.6	98	68-128
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	23.0	92	54-166
67-66-3	Chloroform	25	26.4	106	85-123
75-15-0	Carbon disulfide	25	25.4	102	67-147
56-23-5	Carbon tetrachloride	25	28.0	112	74-139
75-34-3	1,1-Dichloroethane	25	26.9	108	82-127
75-35-4	1,1-Dichloroethylene	25	28.2	113	75-133
107-06-2	1,2-Dichloroethane	25	27.1	108	76-122
78-87-5	1,2-Dichloropropane	25	26.8	107	81-120
124-48-1	Dibromochloromethane	25	26.5	106	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.8	111	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.3	105	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	87-123
100-41-4	Ethylbenzene	25	26.0	104	87-118
591-78-6	2-Hexanone	125	125	100	58-125
108-10-1	4-Methyl-2-pentanone	125	120	96	62-125
74-83-9	Methyl bromide	25	26.8	107	55-151
74-87-3	Methyl chloride	25	24.8	99	55-173
75-09-2	Methylene chloride	25	26.1	104	69-125
78-93-3	Methyl ethyl ketone	125	125	100	61-127
100-42-5	Styrene	25	24.6	98	78-118
71-55-6	1,1,1-Trichloroethane	25	27.7	111	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.9	96	71-120
79-00-5	1,1,2-Trichloroethane	25	25.8	103	80-114
127-18-4	Tetrachloroethylene	25	27.6	110	80-131
108-88-3	Toluene	25	26.2	105	86-116
79-01-6	Trichloroethylene	25	27.8	111	85-124
75-01-4	Vinyl chloride	25	25.3	101	57-153
1330-20-7	Xylene (total)	75	78.6	105	86-120

4.2.2 4

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2508-BS [a]	N0060256.D	1	06/08/12	RB	n/a	n/a	VN2508

The QC reported here applies to the following samples: Method: SW846 8260B

F93542-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

(a) No sample available for MS/MSD.

4.2.2 4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.3.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93387-3RMS	N0060234.D	1	06/07/12	RB	n/a	n/a	VN2504
F93387-3RMSD	N0060235.D	1	06/07/12	RB	n/a	n/a	VN2504
F93387-3R	N0060233.D	1	06/07/12	RB	06/04/12	OP42075	VN2504

The QC reported here applies to the following samples: **Method:** SW846 8260B

F93542-1, F93542-3, F93542-4

CAS No.	Compound	F93387-3R ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 6		125	250	180*	251	180*	0	59-134/14
71-43-2	Benzene	0.41	J	25	26.0	102	25.1	99	4	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	27.2	109	26.1	104	4	76-116/10
75-25-2	Bromoform	1.0 U		25	25.2	101	25.1	100	0	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.3	101	24.6	98	3	87-115/9
75-00-3	Chloroethane	2.0 U		25	22.3	89	21.7	87	3	54-166/20
67-66-3	Chloroform	1.0 U		25	26.8	107	25.6	102	5	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	24.2	97	23.1	92	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	28.3	113	27.2	109	4	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	27.3	109	25 5	102	7	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.8	115	27.5	110	5	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	27.5	110	25.9	104	6	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25 8	103	25.1	100	3	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.4	102	25.2	101	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.6	102	25.5	102	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	26 6	106	25.8	103	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.3	105	25.0	100	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	27.2	109	26.8	107	1	87-123/10
100-41-4	Ethylbenzene	12.8		25	36 4	94	35.5	91	3	87-118/10
591-78-6	2-Hexanone	10 U		125	200	160*	200	160*	0	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	146	117	146	117	0	62-125/13
74-83-9	Methyl bromide	2.0 U		25	26 3	105	25.8	103	2	55-151/21
74-87-3	Methyl chloride	2.0 U		25	27.1	108	25.2	101	7	55-173/22
75-09-2	Methylene chloride	3.1	J	25	28.0	100	27.4	97	2	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	201	161*	195	156*	3	61-127/13
100-42-5	Styrene	1.0 U		25	24.3	97	23.8	95	2	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	27.2	109	26.3	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.9	96	22.9	92	4	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.8	103	25.9	104	0	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.9	108	25.6	102	5	80-131/12
108-88-3	Toluene	3.6		25	27.8	97	26.9	93	3	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	28.2	113	27.4	110	3	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	26.1	104	24.5	98	6	57-153/22
1330-20-7	Xylene (total)	71.6		75	138	89	135	85*	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.3.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93387-3RMS	N0060234.D	1	06/07/12	RB	n/a	n/a	VN2504
F93387-3RMSD	N0060235.D	1	06/07/12	RB	n/a	n/a	VN2504
F93387-3R	N0060233.D	1	06/07/12	RB	06/04/12	OP42075	VN2504

The QC reported here applies to the following samples: **Method:** SW846 8260B

F93542-1, F93542-3, F93542-4

CAS No.	Surrogate Recoveries	MS	MSD	F93387-3R	Limits
1868-53-7	Dibromofluoromethane	105%	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	105%	109%	76-127%
2037-26-5	Toluene-D8	99%	100%	99%	86-112%
460-00-4	4-Bromofluorobenzene	103%	100%	103%	84-120%

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.4.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93542-1DUP	N0060239.D	1	06/07/12	RB	n/a	n/a	VN2504
F93542-1	N0060238.D	1	06/07/12	RB	06/06/12	OP42115	VN2504

The QC reported here applies to the following samples: **Method:** SW846 8260B

F93542-1, F93542-3, F93542-4

CAS No.	Compound	F93542-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		10.6	J	200*	14
71-43-2	Benzene	ND		ND		nc	11
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	9
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	12
56-23-5	Carbon tetrachloride	ND		ND		nc	13
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	13
107-06-2	1,2-Dichloroethane	ND		ND		nc	11
78-87-5	1,2-Dichloropropane	ND		ND		nc	11
124-48-1	Dibromochloromethane	ND		ND		nc	11
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	0.53	J	0 48	J	10	10
591-78-6	2-Hexanone	ND		ND		nc	14
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	13
74-83-9	Methyl bromide	ND		ND		nc	21
74-87-3	Methyl chloride	ND		ND		nc	22
75-09-2	Methylene chloride	15 2	J	13.9		9	11
78-93-3	Methyl ethyl ketone	ND		ND		nc	13
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	11
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	11
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	11
127-18-4	Tetrachloroethylene	ND		ND		nc	12
108-88-3	Toluene	0.92	J	1.2		26*	10
79-01-6	Trichloroethylene	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	22
1330-20-7	Xylene (total)	2.8	J	2.5	J	11*	10

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

4.4.1 4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93542-1DUP	N0060239.D	1	06/07/12	RB	n/a	n/a	VN2504
F93542-1	N0060238.D	1	06/07/12	RB	06/06/12	OP42115	VN2504

The QC reported here applies to the following samples: **Method:** SW846 8260B

F93542-1, F93542-3, F93542-4

CAS No.	Surrogate Recoveries	DUP	F93542-1	Limits
1868-53-7	Dibromofluoromethane	85%*	80%* *	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	103%	76-127%
2037-26-5	Toluene-D8	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	84-120%

(a) Outside control limits due to matrix interference. Confirmed by sample duplicate.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LB	T002517.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.4	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LB	T002517.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	44%	14-62%
4165-62-2	Phenol-d5	32%	10-40%

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LB	T002517.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	94%	33-118%
4165-60-0	Nitrobenzene-d5	81%	42-108%
321-60-8	2-Fluorobiphenyl	82%	40-106%
1718-51-0	Terphenyl-d14	102%	39-121%

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LB	T002539.D	1	06/11/12	FS	06/07/12	OP42129	ST138

5.1.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.4	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LB	T002539.D	1	06/11/12	FS	06/07/12	OP42129	ST138

5.1.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	28%	10-40%

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LB	T002539.D	1	06/11/12	FS	06/07/12	OP42129	ST138

5.1.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	84%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	70%	40-106%
1718-51-0	Terphenyl-d14	89%	39-121%

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LBS	T002516.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.2.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	29.6	30	10-50
95-57-8	2-Chlorophenol	50	42.8	86	44-103
59-50-7	4-Chloro-3-methyl phenol	50	42.4	85	53-105
120-83-2	2,4-Dichlorophenol	50	44.0	88	53-108
105-67-9	2,4-Dimethylphenol	50	36.5	73	37-91
51-28-5	2,4-Dinitrophenol	100	94.5	95	37-111
534-52-1	4,6-Dinitro-o-cresol	100	109	109	62-115
95-48-7	2-Methylphenol	50	35.9	72	35-91
	3&4-Methylphenol	100	62.0	62	32-85
88-75-5	2-Nitrophenol	50	44.9	90	49-111
100-02-7	4-Nitrophenol	100	43.7	44	13-55
87-86-5	Pentachlorophenol	100	106	106	57-118
108-95-2	Phenol	50	19.4	39	13-54
95-95-4	2,4,5-Trichlorophenol	50	53.0	106	59-106
88-06-2	2,4,6-Trichlorophenol	50	51.2	102	58-107
83-32-9	Acenaphthene	50	49.7	99	58-106
208-96-8	Acenaphthylene	50	48.3	97	58-105
120-12-7	Anthracene	50	51.5	103	65-108
56-55-3	Benzo(a)anthracene	50	51.0	102	63-111
50-32-8	Benzo(a)pyrene	50	48.9	98	62-106
205-99-2	Benzo(b)fluoranthene	50	52.1	104	63-109
191-24-2	Benzo(g,h,i)perylene	50	54.0	108	61-111
207-08-9	Benzo(k)fluoranthene	50	51.8	104	64-111
101-55-3	4-Bromophenyl phenyl ether	50	52.3	105	64-107
85-68-7	Butyl benzyl phthalate	50	51.2	102	59-114
100-51-6	Benzyl Alcohol	50	36.4	73	34-98
91-58-7	2-Chloronaphthalene	50	48.5	97	54-105
106-47-8	4-Chloroaniline	50	41.5	83	53-103
86-74-8	Carbazole	50	50.6	101	66-109
218-01-9	Chrysene	50	50.5	101	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	41.9	84	48-101
111-44-4	bis(2-Chloroethyl)ether	50	43.7	87	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	41.9	84	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	50.3	101	61-107
95-50-1	1,2-Dichlorobenzene	50	42.1	84	41-102
541-73-1	1,3-Dichlorobenzene	50	41.0	82	38-100

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LBS	T002516.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	41.5	83	40-100
121-14-2	2,4-Dinitrotoluene	50	51.4	103	60-109
606-20-2	2,6-Dinitrotoluene	50	50.8	102	58-104
91-94-1	3,3'-Dichlorobenzidine	50	49.8	100	57-105
53-70-3	Dibenzo(a,h)anthracene	50	56.3	113*	62-112
132-64-9	Dibenzofuran	50	49.0	98	61-108
84-74-2	Di-n-butyl phthalate	50	50.0	100	62-109
117-84-0	Di-n-octyl phthalate	50	53.6	107	60-120
84-66-2	Diethyl phthalate	50	50.2	100	62-109
131-11-3	Dimethyl phthalate	50	50.2	100	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	51.2	102	59-116
206-44-0	Fluoranthene	50	49.7	99	65-114
86-73-7	Fluorene	50	49.9	100	61-106
118-74-1	Hexachlorobenzene	50	52.5	105	62-107
87-68-3	Hexachlorobutadiene	50	41.9	84	38-107
77-47-4	Hexachlorocyclopentadiene	50	41.2	82	19-84
67-72-1	Hexachloroethane	50	40.3	81	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	52.3	105	61-113
78-59-1	Isophorone	50	34.7	69	56-111
91-57-6	2-Methylnaphthalene	50	43.3	87	56-112
88-74-4	2-Nitroaniline	50	49.5	99	60-109
99-09-2	3-Nitroaniline	50	45 3	91	52-107
100-01-6	4-Nitroaniline	50	50.9	102	59-111
91-20-3	Naphthalene	50	40.7	81	50-104
98-95-3	Nitrobenzene	50	41.5	83	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	42.5	85	51-104
86-30-6	N-Nitrosodiphenylamine	50	52.8	106	57-110
85-01-8	Phenanthrene	50	52.8	106	65-108
129-00-0	Pyrene	50	50.6	101	60-113
120-82-1	1,2,4-Trichlorobenzene	50	39.8	80	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	50%	14-62%
4165-62-2	Phenol-d5	37%	10-40%

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-LBS	T002516.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.2.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	108%	33-118%
4165-60-0	Nitrobenzene-d5	80%	42-108%
321-60-8	2-Fluorobiphenyl	94%	40-106%
1718-51-0	Terphenyl-d14	113%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-MS	T002521.D	1	06/07/12	FS	06/07/12	OP42129	ST137
OP42129-MSD	T002522.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-2	T002520.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	F93542-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		200	114	57*	91.1	46	22	10-50/40
95-57-8	2-Chlorophenol	ND		100	90.1	90	80.0	80	12	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	83.3	83	75.0	75	10	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	88 5	89	80.4	80	10	53-108/26
105-67-9	2,4-Dimethylphenol	ND		100	77.9	78	71.2	71	9	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	192	96	183	92	5	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	215	108	203	102	6	62-115/26
95-48-7	2-Methylphenol	ND		100	79 1	79	68.9	69	14	35-91/30
	3&4-Methylphenol	ND		200	139	70	119	60	16	32-85/29
88-75-5	2-Nitrophenol	ND		100	91.6	92	83.6	84	9	49-111/30
100-02-7	4-Nitrophenol	ND		200	133	67*	107	54	22	13-55/31
87-86-5	Pentachlorophenol	ND		200	209	105	197	99	6	57-118/26
108-95-2	Phenol	0.71	J	100	56.0	55*	44.6	44	23	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	102	102	93.3	93	9	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	102	102	93.5	94	9	58-107/24
83-32-9	Acenaphthene	ND		100	97.0	97	88.9	89	9	58-106/21
208-96-8	Acenaphthylene	ND		100	92.8	93	85.6	86	8	58-105/21
120-12-7	Anthracene	0.53	J	100	99.6	99	93.6	93	6	65-108/19
56-55-3	Benzo(a)anthracene	ND		100	99.4	99	93.1	93	7	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	91.6	92	87.5	88	5	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	101	101	95.0	95	6	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	103	103	97.3	97	6	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	94.7	95	88.7	89	7	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	104	104	96.1	96	8	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	100	100	93.3	93	7	59-114/20
100-51-6	Benzyl Alcohol	ND		100	81.2	81	70.4	70	14	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	95.0	95	87.1	87	9	54-105/24
106-47-8	4-Chloroaniline	ND		100	57.3	57	58.8	59	3	53-103/22
86-74-8	Carbazole	1.5	J	100	96.3	95	90.1	89	7	66-109/20
218-01-9	Chrysene	ND		100	97.7	98	91.6	92	6	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	83.5	84	76.2	76	9	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	87.7	88	78.9	79	11	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	83.4	83	74.4	74	11	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	95.3	95	88.5	89	7	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	90.0	90	81.1	81	10	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	90.2	90	80.8	81	11	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-MS	T002521.D	1	06/07/12	FS	06/07/12	OP42129	ST137
OP42129-MSD	T002522.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-2	T002520.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.3.1 5

The QC reported here applies to the following samples: Method: SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	F93542-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	90.3	90	80.6	81	11	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	95.7	96	89.7	90	6	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	94.9	95	88.2	88	7	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	71.6	72	67.5	68	6	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	106	106	101	101	5	62-112/20
132-64-9	Dibenzofuran	ND		100	91.2	91	84.1	84	8	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	95.2	95	90.1	90	6	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	104	104	96.3	96	8	60-120/24
84-66-2	Diethyl phthalate	ND		100	94.2	94	88.8	89	6	62-109/19
131-11-3	Dimethyl phthalate	ND		100	94.8	95	88.7	89	7	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	101	101	95.8	96	5	59-116/21
206-44-0	Fluoranthene	ND		100	94.5	95	88.3	88	7	65-114/21
86-73-7	Fluorene	0.72	J	100	95.4	95	88.3	88	8	61-106/19
118-74-1	Hexachlorobenzene	ND		100	101	101	95.0	95	6	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	91.9	92	84.6	85	8	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	91.3	91*	85.2	85*	7	19-84/35
67-72-1	Hexachloroethane	ND		100	90.9	91	81 8	82	11	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	104	104	96.9	97	7	61-113/20
78-59-1	Isophorone	ND		100	69.3	69	62.7	63	10	56-111/26
91-57-6	2-Methylnaphthalene	5.5		100	90.1	85	84.0	79	7	56-112/26
88-74-4	2-Nitroaniline	ND		100	91.1	91	85.4	85	6	60-109/20
99-09-2	3-Nitroaniline	ND		100	65.4	65	64.2	64	2	52-107/21
100-01-6	4-Nitroaniline	ND		100	86.3	86	81.0	81	6	59-111/21
91-20-3	Naphthalene	2.9	J	100	84.8	82	79.2	76	7	50-104/28
98-95-3	Nitrobenzene	ND		100	84.2	84	76.8	77	9	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	83.2	83	74.6	75	11	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	103	103	98.1	98	5	57-110/19
85-01-8	Phenanthrene	1.8	J	100	102	100	95.4	94	7	65-108/20
129-00-0	Pyrene	ND		100	98.6	99	93.4	93	5	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	86 0	86	78.0	78	10	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F93542-2	Limits
367-12-4	2-Fluorophenol	67%**	56%	38%	14-62%
4165-62-2	Phenol-d5	56%**	43%**	26%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-MS	T002521.D	1	06/07/12	FS	06/07/12	OP42129	ST137
OP42129-MSD	T002522.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-2	T002520.D	1	06/07/12	FS	06/07/12	OP42129	ST137

5.3.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries	MS	MSD	F93542-2	Limits
118-79-6	2,4,6-Tribromophenol	103%	99%	97%	33-118%
4165-60-0	Nitrobenzene-d5	81%	74%	71%	42-108%
321-60-8	2-Fluorobiphenyl	93%	85%	77%a	40-106%
1718-51-0	Terphenyl-d14	108%	103%a	96%a	39-121%

(a) Outside control limits.

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-DUP	T002519.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-1	T002518.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-1	T002540.D	2	06/11/12	FS	06/07/12	OP42129	ST138

5.4.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	F93542-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
65-85-0	Benzoic Acid	ND		ND		nc	40
95-57-8	2-Chlorophenol	ND		ND		nc	29
59-50-7	4-Chloro-3-methyl phenol	ND		ND		nc	24
120-83-2	2,4-Dichlorophenol	ND		ND		nc	26
105-67-9	2,4-Dimethylphenol	ND		ND		nc	28
51-28-5	2,4-Dinitrophenol	ND		ND		nc	30
534-52-1	4,6-Dinitro-o-cresol	ND		ND		nc	26
95-48-7	2-Methylphenol	ND		ND		nc	30
	3&4-Methylphenol	ND		ND		nc	29
88-75-5	2-Nitrophenol	ND		ND		nc	30
100-02-7	4-Nitrophenol	ND		ND		nc	31
87-86-5	Pentachlorophenol	ND		ND		nc	26
108-95-2	Phenol	ND		ND		nc	34
95-95-4	2,4,5-Trichlorophenol	ND		ND		nc	23
88-06-2	2,4,6-Trichlorophenol	ND		ND		nc	24
83-32-9	Acenaphthene	25.1		16.1		44*	21
208-96-8	Acenaphthylene	1.3	J	1.0	J	26*	21
120-12-7	Anthracene	4.1	J	3.2	J	25*	19
56-55-3	Benzo(a)anthracene	ND		ND		nc	19
50-32-8	Benzo(a)pyrene	ND		ND		nc	20
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	20
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	21
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	20
101-55-3	4-Bromophenyl phenyl ether	ND		ND		nc	20
85-68-7	Butyl benzyl phthalate	ND		ND		nc	20
100-51-6	Benzyl Alcohol	ND		ND		nc	27
91-58-7	2-Chloronaphthalene	ND		ND		nc	24
106-47-8	4-Chloroaniline	ND		ND		nc	22
86-74-8	Carbazole	6.3		4.2	J	40*	20
218-01-9	Chrysene	ND		ND		nc	19
111-91-1	bis(2-Chloroethoxy)methane	ND		ND		nc	28
111-44-4	bis(2-Chloroethyl)ether	ND		ND		nc	27
108-60-1	bis(2-Chloroisopropyl)ether	ND		ND		nc	27
7005-72-3	4-Chlorophenyl phenyl ether	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	28
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	28

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-DUP	T002519.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-1	T002518.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-1	T002540.D	2	06/11/12	FS	06/07/12	OP42129	ST138

5.4.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	F93542-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	28
121-14-2	2,4-Dinitrotoluene	ND		ND		nc	20
606-20-2	2,6-Dinitrotoluene	ND		ND		nc	21
91-94-1	3,3'-Dichlorobenzidine	ND		ND		nc	25
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	20
132-64-9	Dibenzofuran	18.1		12.7		35*	20
84-74-2	Di-n-butyl phthalate	ND		ND		nc	20
117-84-0	Di-n-octyl phthalate	ND		ND		nc	24
84-66-2	Diethyl phthalate	ND		ND		nc	19
131-11-3	Dimethyl phthalate	ND		ND		nc	19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		ND		nc	21
206-44-0	Fluoranthene	2.9	J	2.4	J	19	21
86-73-7	Fluorene	20.8		15.3		30*	19
118-74-1	Hexachlorobenzene	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	30
77-47-4	Hexachlorocyclopentadiene	ND		ND		nc	35
67-72-1	Hexachloroethane	ND		ND		nc	29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	20
78-59-1	Isophorone	ND		ND		nc	26
91-57-6	2-Methylnaphthalene	34.0		23.4		37*	26
88-74-4	2-Nitroaniline	ND		ND		nc	20
99-09-2	3-Nitroaniline	ND		ND		nc	21
100-01-6	4-Nitroaniline	ND		ND		nc	21
91-20-3	Naphthalene	168 a		99.6		51*	28
98-95-3	Nitrobenzene	ND		ND		nc	28
621-64-7	N-Nitroso-di-n-propylamine	ND		ND		nc	28
86-30-6	N-Nitrosodiphenylamine	ND		ND		nc	19
85-01-8	Phenanthrene	26.4		22.0		18	20
129-00-0	Pyrene	1.9	J	1.7	J	11	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	F93542-1	F93542-1	Limits
367-12-4	2-Fluorophenol	44%a	43%a	39%a	14-62%
4165-62-2	Phenol-d5	31%	30%	29%a	10-40%

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42129-DUP	T002519.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-1	T002518.D	1	06/07/12	FS	06/07/12	OP42129	ST137
F93542-1	T002540.D	2	06/11/12	FS	06/07/12	OP42129	ST138

5.4.1 5

The QC reported here applies to the following samples: **Method:** SW846 8270D

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Surrogate Recoveries	DUP	F93542-1	F93542-1	Limits
118-79-6	2,4,6-Tribromophenol	103%a	103%a	93%a	33-118%
4165-60-0	Nitrobenzene-d5	79%a	79%a	71%	42-108%
321-60-8	2-Fluorobiphenyl	84%	84%	76%a	40-106%
1718-51-0	Terphenyl-d14	100%a	100%a	96%a	39-121%

(a) Result is from Run #2.

Southeast ACCUTEST LABORATORIES

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42114-LB	CD115285.D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696

6.1.1

6

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	101%	58-120%

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4696-BS	CD115284.D	1	06/08/12	NJ	n/a	n/a	GCD4696

6.2.1

6

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.385	96	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	99%	57-129%
98-08-8	aaa-Trifluorotoluene	120%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93542-2MS	CD115295.D	1	06/08/12	NJ	n/a	n/a	GCD4696
F93542-2MSD	CD115296.D	1	06/08/12	NJ	n/a	n/a	GCD4696
F93542-2	CD115287.D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696

6.3.1

6

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	F93542-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.0833	J	0.4	0.462	95	0.460	94	0	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F93542-2	Limits
460-00-4	4-Bromofluorobenzene	103%	105%	99%	57-129%
98-08-8	aaa-Trifluorotoluene	129%* a	129%* a	104%	58-120%

(a) Outside control limits.

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93542-1DUP [a]	CD115292.D	1	06/08/12	NJ	n/a	n/a	GCD4696
F93542-1	CD115286.D	1	06/08/12	NJ	06/06/12	OP42114	GCD4696

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	F93542-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	ND		0.255		200*	13

CAS No.	Surrogate Recoveries	DUP	F93542-1	Limits
460-00-4	4-Bromofluorobenzene	112%	99%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	102%	58-120%

(a) ZHE# 6 contaminated.

6.4.1 6

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

7

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42135-LB	LL41638.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	42-114%

7.1.1 7

Blank Spike Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42135-LBS	LL41637.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	10	7.87	79	59-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	77%	42-114%

7.2.1 7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42135-MS	LL41640.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
OP42135-MSD	LL41641.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
F93542-1	LL41639.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

7.3.1

7

CAS No.	Compound	F93542-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	2.46	J	10	12.1	96	12.1	96	0	59-114/34

CAS No.	Surrogate Recoveries	MS	MSD	F93542-1	Limits
84-15-1	o-Terphenyl	86%	87%	69%	42-114%

Duplicate Summary

Job Number: F93542
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42135-DUP	LL41645.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595
F93542-4	LL41644.D	1	06/11/12	SJL	06/07/12	OP42135	GLL1595

The QC reported here applies to the following samples: **Method:** SW846 8015C

F93542-1, F93542-2, F93542-3, F93542-4

7.4.1

7

CAS No.	Compound	F93542-4 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH (C10-C28)	1.67	J	1.48	J	12	34

CAS No.	Surrogate Recoveries	DUP	F93542-4	Limits
84-15-1	o-Terphenyl	65%	65%	42-114%

Section 8

Southeast ACCUTEST LABORATORIES

8

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F93542
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22946
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:					06/05/12		06/05/12		06/05/12	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	0.20	.02	.025						
Antimony	0.0060	.001	.002						
Arsenic	0.050	.001	.002	-0.00050	<0.050	0.00040	<0.050	-0.0012	<0.050
Barium	1.0	.001	.005	0.0	<1.0	0.00020	<1.0	0.0	<1.0
Beryllium	0.0040	.0001	.001						
Cadmium	0.0050	.0001	.001	-0.00010	<0.0050	0.0	<0.0050	0.0	<0.0050
Calcium	1.0	.05	.1						
Chromium	0.010	.001	.001	-0.00050	<0.010	-0.00040	<0.010	-0.00050	<0.010
Cobalt	0.050	.001	.001						
Copper	0.025	.001	.002						
Iron	0.30	.034	.035						
Lead	0.050	.001	.001	0.00010	<0.050	-0.00030	<0.050	-0.00080	<0.050
Magnesium	5.0	.05	.1						
Manganese	0.015	.001	.001						
Molybdenum	0.050	.001	.002						
Nickel	0.040	.001	.002						
Potassium	10	.05	.5						
Selenium	0.050	.002	.002	0.00050	<0.050	0.00040	<0.050	0.0021	<0.050
Silver	0.010	.001	.001	0.0	<0.010	0.00030	<0.010	-0.00010	<0.010
Sodium	10	.15	1.9						
Strontium	0.010	.001	.001						
Thallium	0.010	.001	.0019						
Tin	0.050	.001	.001						
Titanium	0.010	.0011	.002						
Vanadium	0.050	.001	.001						
Zinc	0.10	.001	.005						

Associated samples MP22946: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.1

8

Page 1

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F93542
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22946 Methods: SW846 6010C
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/05/12

Metal	F92977-1L Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0022	2.0	2.0	99.9	80-120
Barium	0.037	2.1	2.0	103.2	80-120
Beryllium					
Cadmium	0.0	0.050	0.050	100.0	80-120
Calcium					
Chromium	0.012	0.21	0.20	99.0	80-120
Cobalt					
Copper					
Iron					
Lead	0.0047	0.48	0.50	95.1	80-120
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	0.0	1.9	2.0	95.0	80-120
Silver	0.0	0.047	0.050	94.0	80-120
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP22946: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

Page 1

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F93542
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22946 Methods: SW846 6010C
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/05/12 06/05/12

Metal	F92977-1L Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit	F93542-1 Original	DUP	RPD	QC Limits
Aluminum										
Antimony										
Arsenic	0.0022	2.0	2.0	99.9	0.0	20	0.0039	0.0039	0.0	0-20
Barium	0.037	2.1	2.0	103.2	0.0	20	0.24	0.24	0.0	0-20
Beryllium										
Cadmium	0.0	0.051	0.050	102.0	2.0	20	0.0	0.0	NC	0-20
Calcium										
Chromium	0.012	0.21	0.20	99.0	0.0	20	0.017	0.017	0.0	0-20
Cobalt										
Copper										
Iron										
Lead	0.0047	0.48	0.50	95.1	0.0	20	0.0021	0.0020	4.9	0-20
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium	0.0	2.0	2.0	100.0	5.1	20	0.0093	0.0095	2.1	0-20
Silver	0.0	0.048	0.050	96.0	2.1	20	0.0	0.0	NC	0-20
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP22946: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F93542
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22946 Methods: SW846 6010C
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/05/12 06/05/12

Metal	BSP Result	Spikelot	MPFLICP1	% Rec	QC Limits	BSP Result	Spikelot	MPFLICP1	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic	2.0	2.0		100.0	80-120	1.9	2.0		95.0	80-120
Barium	2.1	2.0		105.0	80-120	2.0	2.0		100.0	80-120
Beryllium										
Cadmium	0.051	0.050		102.0	80-120	0.049	0.050		98.0	80-120
Calcium										
Chromium	0.20	0.20		100.0	80-120	0.20	0.20		100.0	80-120
Cobalt										
Copper										
Iron										
Lead	0.49	0.50		98.0	80-120	0.46	0.50		91.0	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium	2.0	2.0		100.0	80-120	1.9	2.0		95.0	80-120
Silver	0.049	0.050		98.0	80-120	0.047	0.050		94.0	80-120
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP22946: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 1

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F93542
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22946 Methods: SW846 6010C
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/05/12

Metal	BSP Result	Spikelot	MPFLICP1	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.0	2.0		100.0	80-120
Barium	2.1	2.0		105.0	80-120
Beryllium					
Cadmium	0.052	0.050		104.0	80-120
Calcium					
Chromium	0.21	0.20		105.0	80-120
Cobalt					
Copper					
Iron					
Lead	0.49	0.50		98.0	80-120
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	2.0	2.0		100.0	80-120
Silver	0.049	0.050		98.0	80-120
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP22946: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 2

SERIAL DILUTION RESULTS SUMMARY

Login Number: F93542
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22946
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/05/12

Metal	F92973-1L Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	2.20	0.00	100.0(a)	0-10
Barium	37.4	37.2	0.5	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	11.8	9.70	17.8 (a)	0-10
Cobalt				
Copper				
Iron				
Lead	4.70	5.50	17.0 (a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP22946: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.1.4 8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F93542
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22974
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 06/08/12 06/08/12

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.0010	.00004	.00005	-0.000012	<0.0010	-0.00031	<0.010

Associated samples MP22974: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.1 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F93542
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22974
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 06/08/12 06/08/12

Metal	F93542-4 Original	DUP	RPD	QC Limits	F93542-4 Original	MS	Spikelot MGFLMS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.030	0.030	100.0	80-120

Associated samples MP22974: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F93542
Account: RCSTXN - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22974
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 06/08/12 06/08/12

Metal	F93542-4 Original	MSD	Spikelot MGFLMS1	% Rec	MSD RPD	QC Limit	F93542-1 Original	DUP	RPD	QC Limits
Mercury	0.0	0.030	0.030	100.0	0.0	20	0.0	0.0	NC	0-20

Associated samples MP22974: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2 8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F93542
Account: RCSTXX - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22974
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 06/08/12 06/08/12

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0031	0.0030	103.3	80-120	0.030	0.030	100.0	80-120

Associated samples MP22974: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.3 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: F93542
Account: RCSTXX - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP22974
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/08/12

Metal	F93542-4 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP22974: F93542-1, F93542-2, F93542-3, F93542-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.4 8

e-Hardcopy 2.0
Automated Report

Southeast ACCUTEST LABORATORIES

07/03/12

Technical Report for

Remedial Construction Services

El Paso Phase II/2-3529; TX

Accutest Job Number: F94179

Sampling Dates: 05/29/12 - 06/15/12

Report to:

Remedial Construction Services
9977 W Sam Houston Pk Dr
Houston, TX 77064
matt.meyers@reconservices.com

ATTN: Matt Meyers

Total number of pages in report: **89**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
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Accutest Laboratories

Sample Summary

Remedial Construction Services

El Paso Phase II/2-3529; TX

Job No: F94179

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F94179-1	05/29/12	16:00	CG	06/19/12	SO	Sludge	ELDKS-GRDAA3-052912
F94179-2	06/06/12	16:00	CG	06/19/12	SO	Sludge	ELDKS-GRDAE7-060612
F94179-3	06/14/12	16:00	CG	06/19/12	SO	Sludge	ELDKS-GRDAK3-061412
F94179-4	06/15/12	16:00	CG	06/19/12	SO	Sludge	ELDKS-GRDAN1-061512

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: F94179
Account: Remedial Construction Services
Project: El Paso Phase II/2-3529; TX
Collected: 05/29/12 thru 06/15/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F94179-1	**ELDKS-GRDAA3-052912**					
Ethylbenzene		0.0030	0.0010	0.00020	mg/l	SW846 8260B
Methylene chloride [a]		0.0035 J	0.0050	0.0020	mg/l	SW846 8260B
Toluene		0.0016	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0162	0.0030	0.00052	mg/l	SW846 8260B
Benzoic Acid		0.0111 J	0.050	0.010	mg/l	SW846 8270D
2,4-Dimethylphenol		0.0018 J	0.0050	0.0011	mg/l	SW846 8270D
2-Methylphenol		0.0011 J	0.0050	0.00054	mg/l	SW846 8270D
3&4-Methylphenol		0.0051	0.0050	0.0011	mg/l	SW846 8270D
Phenol		0.0018 J	0.0050	0.00050	mg/l	SW846 8270D
Acenaphthene		0.0090	0.0050	0.00050	mg/l	SW846 8270D
Acenaphthylene		0.0011 J	0.0050	0.00050	mg/l	SW846 8270D
Anthracene		0.0023 J	0.0050	0.00050	mg/l	SW846 8270D
Carbazole		0.0105	0.0050	0.00050	mg/l	SW846 8270D
Dibenzofuran		0.0085	0.0050	0.00050	mg/l	SW846 8270D
Fluoranthene		0.00073 J	0.0050	0.00050	mg/l	SW846 8270D
Fluorene		0.0089	0.0050	0.00050	mg/l	SW846 8270D
2-Methylnaphthalene		0.0349	0.0050	0.00057	mg/l	SW846 8270D
Naphthalene		0.199	0.020	0.0032	mg/l	SW846 8270D
Phenanthrene		0.0110	0.0050	0.00050	mg/l	SW846 8270D
Pyrene		0.00095 J	0.0050	0.00050	mg/l	SW846 8270D
TPH-GRO (C6-C10) [b]		0.145	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28)		4.03	2.5	1.0	mg/l	SW846 8015C
Chromium		0.024	0.010		mg/l	SW846 6010C
F94179-2	**ELDKS-GRDAE7-060612**					
Acetone [a]		0.0110 J	0.025	0.010	mg/l	SW846 8260B
Benzene		0.00021 J	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene		0.0018	0.0010	0.00020	mg/l	SW846 8260B
Methylene chloride [a]		0.0036 J	0.0050	0.0020	mg/l	SW846 8260B
Toluene		0.0022	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0094	0.0030	0.00052	mg/l	SW846 8260B
3&4-Methylphenol		0.0012 J	0.0050	0.0011	mg/l	SW846 8270D
Phenol		0.00055 J	0.0050	0.00050	mg/l	SW846 8270D
Acenaphthene		0.00091 J	0.0050	0.00050	mg/l	SW846 8270D
Anthracene		0.0011 J	0.0050	0.00050	mg/l	SW846 8270D
Carbazole		0.0030 J	0.0050	0.00050	mg/l	SW846 8270D
Dibenzofuran		0.00070 J	0.0050	0.00050	mg/l	SW846 8270D
Fluorene		0.0014 J	0.0050	0.00050	mg/l	SW846 8270D
2-Methylnaphthalene		0.0079	0.0050	0.00057	mg/l	SW846 8270D
Naphthalene		0.0036 J	0.0050	0.00080	mg/l	SW846 8270D
Phenanthrene		0.0038 J	0.0050	0.00050	mg/l	SW846 8270D
Pyrene		0.00084 J	0.0050	0.00050	mg/l	SW846 8270D

Summary of Hits

Job Number: F94179
Account: Remedial Construction Services
Project: El Paso Phase II/2-3529; TX
Collected: 05/29/12 thru 06/15/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TPH-GRO (C6-C10) [b]		0.212	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28)		3.62	2.5	1.0	mg/l	SW846 8015C
Chromium		0.028	0.010		mg/l	SW846 6010C
F94179-3	**ELDKS-GRDAK3-061412**					
Acetone [a]		0.0103 J	0.025	0.010	mg/l	SW846 8260B
Carbon disulfide		0.0013 J	0.0020	0.00050	mg/l	SW846 8260B
Ethylbenzene		0.0012	0.0010	0.00020	mg/l	SW846 8260B
Methylene chloride [a]		0.0032 J	0.0050	0.0020	mg/l	SW846 8260B
Toluene		0.00055 J	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0067	0.0030	0.00052	mg/l	SW846 8260B
3&4-Methylphenol		0.0014 J	0.0050	0.0011	mg/l	SW846 8270D
Acenaphthene		0.0039 J	0.0050	0.00050	mg/l	SW846 8270D
Anthracene		0.0012 J	0.0050	0.00050	mg/l	SW846 8270D
Carbazole		0.0060	0.0050	0.00050	mg/l	SW846 8270D
Dibenzofuran		0.0035 J	0.0050	0.00050	mg/l	SW846 8270D
Fluorene		0.0045 J	0.0050	0.00050	mg/l	SW846 8270D
2-Methylnaphthalene		0.0232	0.0050	0.00057	mg/l	SW846 8270D
Naphthalene		0.0397	0.0050	0.00080	mg/l	SW846 8270D
Phenanthrene		0.0069	0.0050	0.00050	mg/l	SW846 8270D
Pyrene		0.00073 J	0.0050	0.00050	mg/l	SW846 8270D
TPH-GRO (C6-C10) [b]		0.0937 J	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28)		1.94 J	2.5	1.0	mg/l	SW846 8015C
Chromium		0.029	0.010		mg/l	SW846 6010C
F94179-4	**ELDKS-GRDAN1-061512**					
Acetone [a]		0.0246 J	0.025	0.010	mg/l	SW846 8260B
Carbon disulfide		0.0014 J	0.0020	0.00050	mg/l	SW846 8260B
Ethylbenzene		0.0020	0.0010	0.00020	mg/l	SW846 8260B
Methylene chloride [a]		0.0030 J	0.0050	0.0020	mg/l	SW846 8260B
Toluene		0.0022	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.010	0.0030	0.00052	mg/l	SW846 8260B
3&4-Methylphenol		0.0011 J	0.0050	0.0011	mg/l	SW846 8270D
Phenol		0.0010 J	0.0050	0.00050	mg/l	SW846 8270D
Acenaphthene		0.0294	0.0050	0.00050	mg/l	SW846 8270D
Acenaphthylene		0.0022 J	0.0050	0.00050	mg/l	SW846 8270D
Anthracene		0.0045 J	0.0050	0.00050	mg/l	SW846 8270D
Carbazole		0.0170	0.0050	0.00050	mg/l	SW846 8270D
Dibenzofuran		0.0276	0.0050	0.00050	mg/l	SW846 8270D
Fluoranthene		0.0021 J	0.0050	0.00050	mg/l	SW846 8270D
Fluorene		0.0243	0.0050	0.00050	mg/l	SW846 8270D
2-Methylnaphthalene		0.0612	0.0050	0.00057	mg/l	SW846 8270D
Naphthalene		0.334	0.020	0.0032	mg/l	SW846 8270D

Summary of Hits

Job Number: F94179
Account: Remedial Construction Services
Project: El Paso Phase II/2-3529; TX
Collected: 05/29/12 thru 06/15/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Phenanthrene		0.0299	0.0050	0.00050	mg/l	SW846 8270D
Pyrene		0.0014 J	0.0050	0.00050	mg/l	SW846 8270D
TPH-GRO (C6-C10) [b]		0.128	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28)		3.73	2.5	1.0	mg/l	SW846 8015C
Chromium		0.040	0.010		mg/l	SW846 6010C

(a) Associated CCV outside control limits. Within control limits in associated blank spike.
(b) Sample was not preserved to a pH < 2.

Section 3

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: ELDKS-GRDAA3-052912
Lab Sample ID: F94179-1
Matrix: SO - Sludge
Method: SW846 8260B SW846 1312
Project: El Paso Phase II/2-3529; TX

Date Sampled: 05/29/12
Date Received: 06/19/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0060342.D	1	06/28/12	RB	06/20/12	OP42325	VM2453
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND		0.025	0.010	mg/l	
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0030		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone [a]	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride [a]	0.0035		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0016		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0162		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	76% [b]		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Associated CCV outside control limits. Within control limits in associated blank spike.
(b) Outside control limits due to matrix interference. Confirmed by sample duplicate.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L058017.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
Run #2	L058045.D	4	06/27/12	NAF	06/23/12	OP42369	SL2961

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	0.0111		0.050	0.010	mg/l	J
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	0.0018		0.0050	0.0011	mg/l	J
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	0.0011		0.0050	0.00054	mg/l	J
	3&4-Methylphenol	0.0051		0.0050	0.0011	mg/l	
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.0018		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0090		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	0.0011		0.0050	0.00050	mg/l	J
120-12-7	Anthracene	0.0023		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0105		0.0050	0.00050	mg/l	
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0085		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.00073		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0089		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0349		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.199 [a]		0.020	0.0032	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0110		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.00095		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%	46%	14-62%
4165-62-2	Phenol-d5	33%	33%	10-40%
118-79-6	2,4,6-Tribromophenol	86%	89%	33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%	76%	42-108%
321-60-8	2-Fluorobiphenyl	74%	84%	40-106%
1718-51-0	Terphenyl-d14	88%	93%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD115568.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.145		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		57-129%
98-08-8	aaa-Trifluorotoluene	104%		58-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY30229.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	4.03		2.5	1 0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDAA3-052912		
Lab Sample ID:	F94179-1	Date Sampled:	05/29/12
Matrix:	SO - Sludge	Date Received:	06/19/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0 024		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0 050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	07/02/12	07/02/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9904
(2) Instrument QC Batch: MA9917
(3) Prep QC Batch: MP23082
(4) Prep QC Batch: MP23131

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0060344.D	1	06/28/12	RB	06/20/12	OP42325	VM2453
Run #2 [a]	M0060348.D	1	06/28/12	RB	06/20/12	OP42325	VM2453

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [b]	0.0110		0.025	0.010	mg/l	J
71-43-2	Benzene	0.00021		0.0010	0.00020	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0 00020	mg/l	
100-41-4	Ethylbenzene	0.0018		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone [b]	ND		0.010	0 0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride [b]	0.0036		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0022		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0094		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	79% c	80% c	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	96%	76-127%
2037-26-5	Toluene-D8	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	104%	84-120%

(a) Confirmation run for surrogate recoveries.
(b) Associated CCV outside control limits. Within control limits in associated blank spike.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L058020.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	0.0012		0.0050	0.0011	mg/l	J
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.00055		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.00091		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0011		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0030		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.00070		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0014		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0079		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0036		0.0050	0.00080	mg/l	J
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0038		0.0050	0.00050	mg/l	J
129-00-0	Pyrene	0.00084		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		14-62%
4165-62-2	Phenol-d5	31%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD115569.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.212		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	117%		57-129%
98-08-8	aaa-Trifluorotoluene	107%		58-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY30232.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	3.62		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAE7-060612		
Lab Sample ID:	F94179-2	Date Sampled:	06/06/12
Matrix:	SO - Sludge	Date Received:	06/19/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529, TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.028		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	07/02/12	07/02/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9904
(2) Instrument QC Batch: MA9917
(3) Prep QC Batch. MP23082
(4) Prep QC Batch: MP23131

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0060345.D	1	06/28/12	RB	06/20/12	OP42325	VM2453
Run #2 [a]	M0060349.D	1	06/28/12	RB	06/20/12	OP42325	VM2453

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [b]	0.0103		0.025	0.010	mg/l	J
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0013		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0012		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone [b]	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride [b]	0.0032		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.00055		0.0010	0.00020	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0067		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	78% c	78% c	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	96%	76-127%
2037-26-5	Toluene-D8	94%	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	84-120%

(a) Confirmation run for surrogate recoveries.
(b) Associated CCV outside control limits. Within control limits in associated blank spike.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L058022.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	0.0014		0.0050	0.0011	mg/l	J
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0039		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0012		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0060		0.0050	0.00050	mg/l	
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0035		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0045		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0232		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0397		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0069		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.00073		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		14-62%
4165-62-2	Phenol-d5	32%		10-40%
118-79-6	2,4,6-Tribromophenol	89%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	92%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD115577.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0937		0.10	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		57-129%
98-08-8	aaa-Trifluorotoluene	107%		58-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY30234.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	1.94		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	ELDKS-GRDAK3-061412		
Lab Sample ID:	F94179-3	Date Sampled:	06/14/12
Matrix:	SO - Sludge	Date Received:	06/19/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.029		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	07/02/12	07/02/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9904
(2) Instrument QC Batch: MA9917
(3) Prep QC Batch: MP23082
(4) Prep QC Batch: MP23131

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

3.4 3

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	Date Sampled:	06/15/12
Matrix:	SO - Sludge	Date Received:	06/19/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0060346.D	1	06/28/12	RB	06/20/12	OP42325	VM2453
Run #2 [a]	M0060350.D	1	06/28/12	RB	06/20/12	OP42325	VM2453

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone [b]	0.0246		0.025	0.010	mg/l	J
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	0.0014		0.0020	0.00050	mg/l	J
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0020		0.0010	0.00020	mg/l	
591-78-6	2-Hexanone [b]	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride [b]	0.0030		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0022		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.010		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	66% c	65% c	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	95%	76-127%
2037-26-5	Toluene-D8	99%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	84-120%

(a) Confirmation run for surrogate recoveries
(b) Associated CCV outside control limits Within control limits in associated blank spike.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L058023.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
Run #2	L058046.D	4	06/27/12	NAF	06/23/12	OP42369	SL2961

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	0.0011		0.0050	0.0011	mg/l	J
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	0.0010		0.0050	0.00050	mg/l	J
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0294		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	0.0022		0.0050	0.00050	mg/l	J
120-12-7	Anthracene	0.0045		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0170		0.0050	0.00050	mg/l	
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0276		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.0021		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0243		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0612		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.334 a		0.020	0.0032	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0299		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.0014		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	44%	14-62%
4165-62-2	Phenol-d5	31%	32%	10-40%
118-79-6	2,4,6-Tribromophenol	83%	83%	33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%	74%	42-108%
321-60-8	2-Fluorobiphenyl	73%	82%	40-106%
1718-51-0	Terphenyl-d14	85%	89%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
Method:	SW846 8015C SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD115571.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.128		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		57-129%
98-08-8	aaa-Trifluorotoluene	113%		58-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY30235.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	3.73		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	104%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAN1-061512		
Lab Sample ID:	F94179-4	**Date Sampled:**	06/15/12
Matrix:	SO - Sludge	**Date Received:**	06/19/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.040		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	07/02/12	07/02/12	JL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	06/25/12	06/26/12	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA9904
(2) Instrument QC Batch: MA9917
(3) Prep QC Batch: MP23082
(4) Prep QC Batch: MP23131

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Section 4

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (TX)
- Chain of Custody

RECON

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

F94179 Page 1 of 1

Project Name/No: El Paso Phase II / 2-3529
Sample Team: Jon Richardson
Profit Center No: N/A
Project Manager: Matt Meyers
Purchase Order No: 2-3529-10xx
Required Report Date: See Below

Samples Shipment Date: 6/18/2012
Lab Destination: Accutest Laboratories
Lab Contact: Heather Wandrey
Project Contact/Phone: 417-425-6700
Carrier/Waybill No:

Bill to: Matt Meyers
9977 West Sam Houston PKY North, Suite 100
Houston, Tx. 77064
Report to: Matt Meyers
9977 West Sam Houston PKY North, Suite 100
Houston, Tx. 77064

ONE CONTAINER PER LINE

	Sample Number	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record No.
1	[illegible]	Stabilized Sludge	5/29/12 1600	2x6 Cyl.	1- 3x6		[illegible]		
2	[illegible]	Stabilized Sludge	6/06/12 1600	2x6 Cyl.	1- 3x6		[illegible]		
3	[illegible]	Stabilized Sludge	6/14/12 1600	2x6 Cyl.	1- 3x6		[illegible]		
4	[illegible]	Stabilized Sludge	6/13/12 1600	2x6 Cyl.	1- 3x6		[illegible]		

Special Instructions:

Possible Hazard Identification: Non-hazard ■ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal: Return to Client ☐ Dispose by Lab ■ Archive (mo.)

Turnaround Time Required: Name: ■ Rush ☐ Standard TAT

QC Level: NA 1 ■ 2 ☐ 3: ☐ Project Specific (specify)

1. Relinquished by (Signature/Affiliation): Carlos Garcia — Date: 6/18/2012 Time: 1600
1. Received by (Signature/Affiliation): FD — Date: Time:
2. Relinquished by (Signature/Affiliation): FD — Date: 06-19-12 Time: 1030
2. Received by (Signature/Affiliation): R Willis Accu — Date: 06-19-12 Time: 1030
3. Relinquished by (Signature/Affiliation): — Date: Time:
3. Received by (Signature/Affiliation): — Date: Time:

Comments: 2.8

4.1 4

F94179: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F94179 CLIENT: Recon PROJECT: El Paso Phase 2 / 2-3529
DATE/TIME RECEIVED: 06-19-12 1030 [MM/DD/YY 24:00] NUMBER OF COOLERS RECEIVED: 1
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 7936 9033 6700

COOLER INFORMATION
- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION
- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION
NUMBER OF ENCORES? 25-GRAM ____ 5-GRAM ____
NUMBER OF MS5 FIELD KITS? ____
NUMBER OF LAB FILTERED METALS? ____

TEMPERATURE INFORMATION
- [ ] IR THERM ID 3 CORR. FACTOR -0.0
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION
- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] MS5 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: R Willis 06-19-12 REVIEWER SIGNATURE/DATE: 06/19/12

MF 12/10 Receipt confirmation 122010.xls

4.1 4

F94179: Chain of Custody
Page 2 of 2

Section 5

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

5

Leachate Blank Summary

Page 1 of 2

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42325-LB	M0060338.D 1		06/28/12	RB	06/20/12	OP42325	VM2453

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

5.1.1 5

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42325-LB	M0060338.D	1	06/28/12	RB	06/20/12	OP42325	VM2453

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM2453-BS	M0060331.D	1	06/28/12	RB	n/a	n/a	VM2453

5.2.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	91.4	73	59-134
71-43-2	Benzene	25	26.2	105	83-124
75-27-4	Bromodichloromethane	25	26.1	104	76-116
75-25-2	Bromoform	25	23.9	96	68-128
108-90-7	Chlorobenzene	25	24.5	98	87-115
75-00-3	Chloroethane	25	26.7	107	54-166
67-66-3	Chloroform	25	27.2	109	85-123
75-15-0	Carbon disulfide	25	26.7	107	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	26.9	108	82-127
75-35-4	1,1-Dichloroethylene	25	31.2	125	75-133
107-06-2	1,2-Dichloroethane	25	27.0	108	76-122
78-87-5	1,2-Dichloropropane	25	26.0	104	81-120
124-48-1	Dibromochloromethane	25	24.5	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.2	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.4	106	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.6	102	87-123
100-41-4	Ethylbenzene	25	24.6	98	87-118
591-78-6	2-Hexanone	125	122	98	58-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
74-83-9	Methyl bromide	25	29.4	118	55-151
74-87-3	Methyl chloride	25	30.0	120	55-173
75-09-2	Methylene chloride	25	26.2	105	69-125
78-93-3	Methyl ethyl ketone	125	110	88	61-127
100-42-5	Styrene	25	24.2	97	78-118
71-55-6	1,1,1-Trichloroethane	25	27.5	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
127-18-4	Tetrachloroethylene	25	25.7	103	80-131
108-88-3	Toluene	25	24.2	97	86-116
79-01-6	Trichloroethylene	25	27.2	109	85-124
75-01-4	Vinyl chloride	25	28.2	113	57-153
1330-20-7	Xylene (total)	75	72.7	97	86-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM2453-BS	M0060331.D	1	06/28/12	RB	n/a	n/a	VM2453

5.2.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94241-1MS	M0060335.D	1	06/28/12	RB	n/a	n/a	VM2453
F94241-1MSD	M0060336.D	1	06/28/12	RB	n/a	n/a	VM2453
F94241-1	M0060333.D	1	06/28/12	RB	06/25/12	OP42380	VM2453

5.3.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	F94241-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	96.2	77	96.1	77	0	59-134/14
71-43-2	Benzene	1.0 U		25	24.6	98	24.3	97	1	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.8	99	24.4	98	2	76-116/10
75-25-2	Bromoform	1.0 U		25	22.0	88	22.8	91	4	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	23.3	93	22.9	92	2	87-115/9
75-00-3	Chloroethane	2.0 U		25	24.5	98	24.3	97	1	54-166/20
67-66-3	Chloroform	1.0 U		25	26.2	105	25.5	102	3	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	24.7	99	23.8	95	4	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.7	107	24.9	100	7	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	25.4	102	25.2	101	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	30.0	120	27.7	111	8	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.6	102	25.4	102	1	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.0	100	24.0	96	4	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	23.2	93	23.1	92	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.6	98	23.2	93	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.2	101	25.3	101	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	25.3	101	24.3	97	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.8	99	25.2	101	2	87-123/10
100-41-4	Ethylbenzene	0.65	I	25	24.1	94	23.3	91	3	87-118/10
591-78-6	2-Hexanone	10 U		125	120	96	125	100	4	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	115	92	120	96	4	62-125/13
74-83-9	Methyl bromide	2.0 U		25	27.8	111	26.7	107	4	55-151/21
74-87-3	Methyl chloride	2.0 U		25	28.4	114	28.1	112	1	55-173/22
75-09-2	Methylene chloride	4.5	I	25	29.4	100	29.3	99	0	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	104	83	114	91	9	61-127/13
100-42-5	Styrene	1.0 U		25	22.7	91	22.4	90	1	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.4	106	24.8	99	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.0	88	20.2	81	9	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.5	94	23.5	94	0	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	24.9	100	23.7	95	5	80-131/12
108-88-3	Toluene	0.92	I	25	23.4	90	23.4	90	0	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	27.1	108	27.0	108	0	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	26.7	107	24.9	100	7	57-153/22
1330-20-7	Xylene (total)	2.9	I	75	73.9	95	72.3	93	2	86-120/10

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94241-1MS	M0060335.D	1	06/28/12	RB	n/a	n/a	VM2453
F94241-1MSD	M0060336.D	1	06/28/12	RB	n/a	n/a	VM2453
F94241-1	M0060333.D	1	06/28/12	RB	06/25/12	OP42380	VM2453

5.3.1

5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Surrogate Recoveries	MS	MSD	F94241-1	Limits
1868-53-7	Dibromofluoromethane	100%	100%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	102%	104%	76-127%
2037-26-5	Toluene-D8	96%	94%	96%	86-112%
460-00-4	4-Bromofluorobenzene	102%	102%	101%	84-120%

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94179-1DUP	M0060343.D	1	06/28/12	RB	n/a	n/a	VM2453
F94179-1	M0060342.D	1	06/28/12	RB	06/20/12	OP42325	VM2453

5.4.1

5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	F94179-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		21.5	J	200*	14
71-43-2	Benzene	ND		ND		nc	11
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	9
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	12
56-23-5	Carbon tetrachloride	ND		ND		nc	13
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	13
107-06-2	1,2-Dichloroethane	ND		ND		nc	11
78-87-5	1,2-Dichloropropane	ND		ND		nc	11
124-48-1	Dibromochloromethane	ND		ND		nc	11
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	3.0		3.2		6	10
591-78-6	2-Hexanone	ND		ND		nc	14
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	13
74-83-9	Methyl bromide	ND		ND		nc	21
74-87-3	Methyl chloride	ND		ND		nc	22
75-09-2	Methylene chloride	3.5	J	3.7	J	6	11
78-93-3	Methyl ethyl ketone	ND		ND		nc	13
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	11
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	11
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	11
127-18-4	Tetrachloroethylene	ND		ND		nc	12
108-88-3	Toluene	1.6		1.6		0	10
79-01-6	Trichloroethylene	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	22
1330-20-7	Xylene (total)	16.2		16.3		1	10

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94179-1DUP	M0060343.D	1	06/28/12	RB	n/a	n/a	VM2453
F94179-1	M0060342.D	1	06/28/12	RB	06/20/12	OP42325	VM2453

5.4.1

5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Surrogate Recoveries	DUP	F94179-1	Limits
1868-53-7	Dibromofluoromethane	75%*	76%* [a]	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	97%	76-127%
2037-26-5	Toluene-D8	96%	96%	86-112%
460-00-4	4-Bromofluorobenzene	100%	100%	84-120%

(a) Outside control limits due to matrix interference. Confirmed by sample duplicate.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LB	L058016.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.1.1 6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5 0	0 50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5 0	0 50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5 0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2 0	ug/l	
95-48-7	2-Methylphenol	ND	5 0	0 54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5 0	0 54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5 0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5 4	ug/l	
108-95-2	Phenol	ND	5 0	0 50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5 0	0 50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0 50	ug/l	
83-32-9	Acenaphthene	ND	5 0	0 50	ug/l	
208-96-8	Acenaphthylene	ND	5 0	0 50	ug/l	
120-12-7	Anthracene	ND	5.0	0 50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5 0	0 50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0 50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0 50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0 50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5 0	1 0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5 0	0 50	ug/l	
86-74-8	Carbazole	ND	5 0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5 0	0 50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5 0	0 54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0 54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5 0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LB	L058016 D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.1.1 6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5 0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0 50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5 0	0 50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0 52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0 50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5 0	0 87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5 0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5 0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5 0	0.50	ug/l	
86-73-7	Fluorene	ND	5 0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5 0	1 0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1 9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5 0	0.50	ug/l	
78-59-1	Isophorone	ND	5 0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5 0	0 57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5 0	0 50	ug/l	
100-01-6	4-Nitroaniline	ND	5 0	0 50	ug/l	
91-20-3	Naphthalene	ND	5.0	0 80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0 59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5 0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5 0	0.50	ug/l	
129-00-0	Pyrene	ND	5 0	0 50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0 50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	28%	10-40%

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LB	L058016.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.1.1 6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	75%	33-118%
4165-60-0	Nitrobenzene-d5	64%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	92%	39-121%

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LB	L058044.D	1	06/27/12	NAF	06/23/12	OP42369	SL2961

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.1.2 6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5 0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5 0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5 0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5 0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5 4	ug/l	
108-95-2	Phenol	ND	5.0	0 50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5 0	0 50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5 0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0 50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5 0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5 0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5 0	0 50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1 1	ug/l	
100-51-6	Benzyl Alcohol	ND	5 0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0 50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0 50	ug/l	
86-74-8	Carbazole	ND	5 0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5 0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5 0	0 54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0 50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5 0	1.0	ug/l	

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LB	L058044.D	1	06/27/12	NAF	06/23/12	OP42369	SL2961

6.1.2 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	37%	14-62%
4165-62-2	Phenol-d5	28%	10-40%

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LB	L058044 D	1	06/27/12	NAF	06/23/12	OP42369	SL2961

6.1.2 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	66%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	92%	39-121%

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LBS	L058015.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

6.2.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	13.7	14	10-50
95-57-8	2-Chlorophenol	50	34.8	70	44-103
59-50-7	4-Chloro-3-methyl phenol	50	33.5	67	53-105
120-83-2	2,4-Dichlorophenol	50	34.0	68	53-108
105-67-9	2,4-Dimethylphenol	50	27.4	55	37-91
51-28-5	2,4-Dinitrophenol	100	64.1	64	37-111
534-52-1	4,6-Dinitro-o-cresol	100	87.0	87	62-115
95-48-7	2-Methylphenol	50	29.8	60	35-91
	3&4-Methylphenol	100	51.1	51	32-85
88-75-5	2-Nitrophenol	50	35.0	70	49-111
100-02-7	4-Nitrophenol	100	27.2	27	13-55
87-86-5	Pentachlorophenol	100	78.4	78	57-118
108-95-2	Phenol	50	16.4	33	13-54
95-95-4	2,4,5-Trichlorophenol	50	39.2	78	59-106
88-06-2	2,4,6-Trichlorophenol	50	38.7	77	58-107
83-32-9	Acenaphthene	50	39.5	79	58-106
208-96-8	Acenaphthylene	50	38.6	77	58-105
120-12-7	Anthracene	50	39.6	79	65-108
56-55-3	Benzo(a)anthracene	50	40.7	81	63-111
50-32-8	Benzo(a)pyrene	50	38 2	76	62-106
205-99-2	Benzo(b)fluoranthene	50	40.5	81	63-109
191-24-2	Benzo(g,h,i)perylene	50	40.5	81	61-111
207-08-9	Benzo(k)fluoranthene	50	40.0	80	64-111
101-55-3	4-Bromophenyl phenyl ether	50	41.1	82	64-107
85-68-7	Butyl benzyl phthalate	50	39.5	79	59-114
100-51-6	Benzyl Alcohol	50	31.6	63	34-98
91-58-7	2-Chloronaphthalene	50	38.0	76	54-105
106-47-8	4-Chloroaniline	50	33.6	67	53-103
86-74-8	Carbazole	50	38 8	78	66-109
218-01-9	Chrysene	50	39.7	79	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	34.2	68	48-101
111-44-4	bis(2-Chloroethyl)ether	50	35.2	70	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	34.0	68	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	40.0	80	61-107
95-50-1	1,2-Dichlorobenzene	50	32.1	64	41-102
541-73-1	1,3-Dichlorobenzene	50	29.8	60	38-100

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LBS	L058015.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

6.2.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	30.7	61	40-100
121-14-2	2,4-Dinitrotoluene	50	39.2	78	60-109
606-20-2	2,6-Dinitrotoluene	50	39.7	79	58-104
91-94-1	3,3'-Dichlorobenzidine	50	37.9	76	57-105
53-70-3	Dibenzo(a,h)anthracene	50	42.5	85	62-112
132-64-9	Dibenzofuran	50	39.2	78	61-108
84-74-2	Di-n-butyl phthalate	50	39.3	79	62-109
117-84-0	Di-n-octyl phthalate	50	39.6	79	60-120
84-66-2	Diethyl phthalate	50	36.9	74	62-109
131-11-3	Dimethyl phthalate	50	39.7	79	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	40.2	80	59-116
206-44-0	Fluoranthene	50	38.2	76	65-114
86-73-7	Fluorene	50	38.4	77	61-106
118-74-1	Hexachlorobenzene	50	41.1	82	62-107
87-68-3	Hexachlorobutadiene	50	29.1	58	38-107
77-47-4	Hexachlorocyclopentadiene	50	33 2	66	19-84
67-72-1	Hexachloroethane	50	28.6	57	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	42.2	84	61-113
78-59-1	Isophorone	50	28.8	58	56-111
91-57-6	2-Methylnaphthalene	50	34 1	68	56-112
88-74-4	2-Nitroaniline	50	38.4	77	60-109
99-09-2	3-Nitroaniline	50	35.1	70	52-107
100-01-6	4-Nitroaniline	50	39 9	80	59-111
91-20-3	Naphthalene	50	31.3	63	50-104
98-95-3	Nitrobenzene	50	32.4	65	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	33.5	67	51-104
86-30-6	N-Nitrosodiphenylamine	50	40 0	80	57-110
85-01-8	Phenanthrene	50	41.7	83	65-108
129-00-0	Pyrene	50	39 6	79	60-113
120-82-1	1,2,4-Trichlorobenzene	50	29.8	60	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	44%	14-62%
4165-62-2	Phenol-d5	30%	10-40%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-LBS	L058015.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

The QC reported here applies to the following samples: Method: SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.2.1 6

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	81%	33-118%
4165-60-0	Nitrobenzene-d5	64%	42-108%
321-60-8	2-Fluorobiphenyl	75%	40-106%
1718-51-0	Terphenyl-d14	89%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-MS	L058018.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
OP42369-MSD	L058019.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-1	L058017.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-1	L058045.D	4	06/27/12	NAF	06/23/12	OP42369	SL2961

The QC reported here applies to the following samples: Method: SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.3.1 6

CAS No.	Compound	F94179-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	11.1	J	200	98.0	43	81.9	35	18	10-50/40
95-57-8	2-Chlorophenol	ND		100	80.2	80	79.3	79	1	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	76.4	76	71.1	71	7	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	72.7	73	71.8	72	1	53-108/26
105-67-9	2,4-Dimethylphenol	1.8	J	100	69.8	68	68.1	66	2	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	170	85	154	77	10	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	209	105	191	96	9	62-115/26
95-48-7	2-Methylphenol	1.1	J	100	77.2	76	73.4	72	5	35-91/30
	3&4-Methylphenol	5.1		200	143	69	133	64	7	32-85/29
88-75-5	2-Nitrophenol	ND		100	77.2	77	77.1	77	0	49-111/30
100-02-7	4-Nitrophenol	ND		200	109	55	85.1	43	25	13-55/31
87-86-5	Pentachlorophenol	ND		200	190	95	169	85	12	57-118/26
108-95-2	Phenol	1.8	J	100	61.8	60*	54.9	53	12	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	90.0	90	83.8	84	7	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	89.5	90	84.7	85	6	58-107/24
83-32-9	Acenaphthene	9.0		100	91.6	83	88.3	79	4	58-106/21
208-96-8	Acenaphthylene	1.1	J	100	86.3	85	82.9	82	4	58-105/21
120-12-7	Anthracene	2.3	J	100	92.7	90	84.9	83	9	65-108/19
56-55-3	Benzo(a)anthracene	ND		100	93.1	93	87.2	87	7	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	88.2	88	79.9	80	10	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	94.2	94	87.3	87	8	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	97.8	98	88.1	88	10	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	89.9	90	79.9	80	12	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	97.0	97	89.3	89	8	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	91.3	91	85.5	86	7	59-114/20
100-51-6	Benzyl Alcohol	ND		100	83.6	84	78.5	79	6	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	86.3	86	83.1	83	4	54-105/24
106-47-8	4-Chloroaniline	ND		100	65.9	66	65.5	66	1	53-103/22
86-74-8	Carbazole	10.5		100	92.3	82	84.2	74	9	66-109/20
218-01-9	Chrysene	ND		100	93.9	94	86.0	86	9	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	75.3	75	74.1	74	2	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	78.7	79	78.5	79	0	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	77.0	77	75.0	75	3	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	89.9	90	83.5	84	7	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	78.9	79	78.7	79	0	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	76.5	77	75.4	75	1	38-100/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-MS	L058018.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
OP42369-MSD	L058019.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-1	L058017.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-1	L058045.D	4	06/27/12	NAF	06/23/12	OP42369	SL2961

The QC reported here applies to the following samples: Method: SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.3.1 6

CAS No.	Compound	F94179-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	76.8	77	77.3	77	1	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	84.0	84	78.1	78	7	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	90.2	90	83.0	83	8	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	73.1	73	63.7	64	14	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	100	100	91.5	92	9	62-112/20
132-64-9	Dibenzofuran	8.5		100	90.6	82	86.0	78	5	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	90.0	90	82.0	82	9	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	90.8	91	82.6	83	9	60-120/24
84-66-2	Diethyl phthalate	ND		100	84.1	84	76.4	76	10	62-109/19
131-11-3	Dimethyl phthalate	ND		100	87.0	87	82.5	83	5	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	95.9	96	88.1	88	8	59-116/21
206-44-0	Fluoranthene	0.73	J	100	85.0	84	77.0	76	10	65-114/21
86-73-7	Fluorene	8.9		100	89.3	80	82.9	74	7	61-106/19
118-74-1	Hexachlorobenzene	ND		100	95.8	96	87.8	88	9	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	71.3	71	72.6	73	2	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	77.4	77	75.8	76	2	19-84/35
67-72-1	Hexachloroethane	ND		100	78.8	79	78.6	79	0	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	101	101	88.7	89	13	61-113/20
78-59-1	Isophorone	ND		100	64.1	64	62.7	63	2	56-111/26
91-57-6	2-Methylnaphthalene	34.9		100	87.9	53*	89.8	55*	2	56-112/26
88-74-4	2-Nitroaniline	ND		100	86.3	86	80.0	80	8	60-109/20
99-09-2	3-Nitroaniline	ND		100	71.5	72	64.8	65	10	52-107/21
100-01-6	4-Nitroaniline	ND		100	82.5	83	74.9	75	10	59-111/21
91-20-3	Naphthalene	199 [a]		100	117	-82*	126	-73*	7	50-104/28
98-95-3	Nitrobenzene	ND		100	71.0	71	70.8	71	0	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	76.1	76	74.8	75	2	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	93.9	94	87.4	87	7	57-110/19
85-01-8	Phenanthrene	11.0		100	104	93	94.8	84	9	65-108/20
129-00-0	Pyrene	0.95	J	100	94.2	93	87.8	87	7	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	68.3	68	69.9	70	2	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F94179-1	F94179-1	Limits
367-12-4	2-Fluorophenol	65%* [b]	60%	44%	46%	14-62%
4165-62-2	Phenol-d5	59%* [b]	51%* [b]	33%	33%	10-40%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-MS	L058018.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
OP42369-MSD	L058019.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-1	L058017.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-1	L058045.D	4	06/27/12	NAF	06/23/12	OP42369	SL2961

The QC reported here applies to the following samples: Method: SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

6.3.1 6

CAS No.	Surrogate Recoveries	MS	MSD	F94179-1	F94179-1	Limits
118-79-6	2,4,6-Tribromophenol	97%	89%	86%	89%	33-118%
4165-60-0	Nitrobenzene-d5	68%	70%	68%	76%	42-108%
321-60-8	2-Fluorobiphenyl	83%	82%	74%	84%	40-106%
1718-51-0	Terphenyl-d14	105%	97%	88%	93%	39-121%

(a) Result is from Run #2.
(b) Outside control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-DUP	L058021.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-2	L058020.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

6.4.1

6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	F94179-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
65-85-0	Benzoic Acid	ND		ND		nc	40
95-57-8	2-Chlorophenol	ND		ND		nc	29
59-50-7	4-Chloro-3-methyl phenol	ND		ND		nc	24
120-83-2	2,4-Dichlorophenol	ND		ND		nc	26
105-67-9	2,4-Dimethylphenol	ND		ND		nc	28
51-28-5	2,4-Dinitrophenol	ND		ND		nc	30
534-52-1	4,6-Dinitro-o-cresol	ND		ND		nc	26
95-48-7	2-Methylphenol	ND		ND		nc	30
	3&4-Methylphenol	1.2	J	2.5	J	70*	29
88-75-5	2-Nitrophenol	ND		ND		nc	30
100-02-7	4-Nitrophenol	ND		ND		nc	31
87-86-5	Pentachlorophenol	ND		ND		nc	26
108-95-2	Phenol	0.55	J	0.87	J	45*	34
95-95-4	2,4,5-Trichlorophenol	ND		ND		nc	23
88-06-2	2,4,6-Trichlorophenol	ND		ND		nc	24
83-32-9	Acenaphthene	0.91	J	1.3	J	35*	21
208-96-8	Acenaphthylene	ND		ND		nc	21
120-12-7	Anthracene	1.1	J	1.3	J	17	19
56-55-3	Benzo(a)anthracene	ND		ND		nc	19
50-32-8	Benzo(a)pyrene	ND		ND		nc	20
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	20
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	21
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	20
101-55-3	4-Bromophenyl phenyl ether	ND		ND		nc	20
85-68-7	Butyl benzyl phthalate	ND		ND		nc	20
100-51-6	Benzyl Alcohol	ND		ND		nc	27
91-58-7	2-Chloronaphthalene	ND		ND		nc	24
106-47-8	4-Chloroaniline	ND		ND		nc	22
86-74-8	Carbazole	3.0	J	3.0	J	0	20
218-01-9	Chrysene	ND		ND		nc	19
111-91-1	bis(2-Chloroethoxy)methane	ND		ND		nc	28
111-44-4	bis(2-Chloroethyl)ether	ND		ND		nc	27
108-60-1	bis(2-Chloroisopropyl)ether	ND		ND		nc	27
7005-72-3	4-Chlorophenyl phenyl ether	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	28
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	28

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-DUP	L058021.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-2	L058020.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

6.4.1

6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	F94179-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	28
121-14-2	2,4-Dinitrotoluene	ND		ND		nc	20
606-20-2	2,6-Dinitrotoluene	ND		ND		nc	21
91-94-1	3,3'-Dichlorobenzidine	ND		ND		nc	25
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	20
132-64-9	Dibenzofuran	0.70	J	0.95	J	30*	20
84-74-2	Di-n-butyl phthalate	ND		ND		nc	20
117-84-0	Di-n-octyl phthalate	ND		ND		nc	24
84-66-2	Diethyl phthalate	ND		ND		nc	19
131-11-3	Dimethyl phthalate	ND		ND		nc	19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		ND		nc	21
206-44-0	Fluoranthene	ND		ND		nc	21
86-73-7	Fluorene	1.4	J	1.6	J	13	19
118-74-1	Hexachlorobenzene	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	30
77-47-4	Hexachlorocyclopentadiene	ND		ND		nc	35
67-72-1	Hexachloroethane	ND		ND		nc	29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	20
78-59-1	Isophorone	ND		ND		nc	26
91-57-6	2-Methylnaphthalene	7.9		9.1		14	26
88-74-4	2-Nitroaniline	ND		ND		nc	20
99-09-2	3-Nitroaniline	ND		ND		nc	21
100-01-6	4-Nitroaniline	ND		ND		nc	21
91-20-3	Naphthalene	3.6	J	9.0		86*	28
98-95-3	Nitrobenzene	ND		ND		nc	28
621-64-7	N-Nitroso-di-n-propylamine	ND		ND		nc	28
86-30-6	N-Nitrosodiphenylamine	ND		ND		nc	19
85-01-8	Phenanthrene	3.8	J	4.2	J	10	20
129-00-0	Pyrene	0.84	J	1.0	J	17	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	F94179-2	Limits
367-12-4	2-Fluorophenol	42%	42%	14-62%
4165-62-2	Phenol-d5	32%	31%	10-40%

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42369-DUP	L058021.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960
F94179-2	L058020.D	1	06/26/12	NAF	06/23/12	OP42369	SL2960

6.4.1

6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Surrogate Recoveries	DUP	F94179-2	Limits
118-79-6	2,4,6-Tribromophenol	89%	83%	33-118%
4165-60-0	Nitrobenzene-d5	69%	69%	42-108%
321-60-8	2-Fluorobiphenyl	77%	73%	40-106%
1718-51-0	Terphenyl-d14	92%	85%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

7

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42326-LB	CD115567.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710

The QC reported here applies to the following samples: Method: SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

7.1.1

7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	57-129%
98-08-8	aaa-Trifluorotoluene	99%	58-120%

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4710-BS	CD115566.D	1	06/27/12	CP	n/a	n/a	GCD4710

The QC reported here applies to the following samples: Method: SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

7.2.1

7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.401	100	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	57-129%
98-08-8	aaa-Trifluorotoluene	120%	58-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94179-2MS	CD115573.D	1	06/27/12	CP	n/a	n/a	GCD4710
F94179-2MSD	CD115574.D	1	06/27/12	CP	n/a	n/a	GCD4710
F94179-2 [a]	CD115569.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710

The QC reported here applies to the following samples: Method: SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

7.3.1

7

CAS No.	Compound	F94179-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.212		0.4	0.619	102	0.590	95	5	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F94179-2	Limits
460-00-4	4-Bromofluorobenzene	104%	100%	117%	57-129%
98-08-8	aaa-Trifluorotoluene	125%* [b]	121%* [b]	107%	58-120%

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94179-1DUP	CD115572.D	1	06/27/12	CP	n/a	n/a	GCD4710
F94179-1 [a]	CD115568.D	1	06/27/12	CP	06/20/12	OP42326	GCD4710

The QC reported here applies to the following samples: Method: SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

7.4.1

7

CAS No.	Compound	F94179-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	0.145		0.149		3	13

CAS No.	Surrogate Recoveries	DUP	F94179-1	Limits
460-00-4	4-Bromofluorobenzene	105%	105%	57-129%
98-08-8	aaa-Trifluorotoluene	106%	104%	58-120%

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

8

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42370-LB	YY30228.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

8.1.1

8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	105%	42-114%

Blank Spike Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42370-LBS	YY30227.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

8.2.1

8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	10	9.80	98	59-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	106%	42-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42370-MS	YY30230.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
OP42370-MSD	YY30231.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
F94179-1	YY30229.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

8.3.1

8

CAS No.	Compound	F94179-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	4.03		10	13.1	91	12.9	89	2	59-114/34

CAS No.	Surrogate Recoveries	MS	MSD	F94179-1	Limits
84-15-1	o-Terphenyl	103%	106%	103%	42-114%

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94179
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42370-DUP	YY30233.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120
F94179-2	YY30232.D	1	06/29/12	SJL	06/23/12	OP42370	GYY1120

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94179-1, F94179-2, F94179-3, F94179-4

CAS No.	Compound	F94179-2 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH (C10-C28)	3.62		3.56		2	34

CAS No.	Surrogate Recoveries	DUP	F94179-2	Limits
84-15-1	o-Terphenyl	103%	103%	42-114%

8.4.1

8

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23082
Matrix Type: LEACHATE
Methods: SW846 6010C
Units: mg/l

Prep Date:				06/25/12		06/25/12		06/25/12	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	0.20	.024	.025						
Antimony	0.0060	.001	.002						
Arsenic	0.050	.001	.002	-0.00020	<0.050	-0.00040	<0.050	-0.00030	<0.050
Barium	1.0	.004	.005	0.0	<1.0	-0.00010	<1.0	0.0	<1.0
Beryllium	0.0040	.0001	.001						
Cadmium	0.0050	.0001	.001	0.0	<0.0050	-0.00010	<0.0050	0.0	<0.0050
Calcium	1.0	.05	.1						
Chromium	0.010	.001	.001	-0.00010	<0.010	-0.00010	<0.010	-0.00010	<0.010
Cobalt	0.050	.001	.001						
Copper	0.025	.001	.002						
Iron	0.30	.023	.035						
Lead	0.050	.001	.001	-0.00010	<0.050	-0.00040	<0.050	-0.00040	<0.050
Magnesium	5.0	.05	.1						
Manganese	0.015	.001	.001						
Molybdenum	0.050	.001	.002						
Nickel	0.040	.001	.002						
Potassium	10	.05	.5						
Selenium	0.050	.002	.002	0.00040	<0.050	0.0012	<0.050	0.00010	<0.050
Silver	0.010	.001	.001	-0.00010	<0.010	0.0	<0.010	0.00010	<0.010
Sodium	10	.85	1.9						
Strontium	0.010	.001	.001						
Thallium	0.010	.0015	.0019						
Tin	0.050	.001	.001						
Titanium	0.010	.001	.002						
Vanadium	0.050	.001	.001						
Zinc	0.10	.001	.005						

Associated samples MP23082: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anc) Analyte not requested

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9.1.1

9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23082
Matrix Type: LEACHATE
Methods: SW846 6010C
Units: mg/l

Prep Date:				06/25/12				06/25/12	
Metal	F94179-2 Original	DUP	RPD	QC Limits	F94179-2 Original	MS	Spikelot MSFLCF1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	0.012	0.011	8.7	0-20	0.012	2.0	2.0	99.4	80-120
Barium	0.16	0.17	6.1	0-20	0.16	2.2	2.0	102.0	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	0.049	0.050	98.0	80-120
Calcium									
Chromium	0.028	0.030	6.9	0-20	0.028	0.22	0.20	96.0	80-120
Cobalt									
Copper									
Iron									
Lead	0.0	0.0	NC	0-20	0.0	0.48	0.50	92.0	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.018	0.018	0.0	0-20	0.018	2.0	2.0	99.1	80-120
Silver	0.0	0.0	NC	0-20	0.0	0.049	0.050	98.0	80-120
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP23082: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anc) Analyte not requested

Page 1

9.1.2

9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23082 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 06/25/12 — 06/25/12

Metal	F94179-1 Original	DUP	RPD	QC Limits	F94179-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum										
Antimony										
Arsenic	0.012	0.013	6.0	0-20	0.012	2.0	2.0	99.4	0.0	20
Barium	0.20	0.20	0.0	0-20	0.16	2.2	2.0	102.0	0.0	20
Beryllium										
Cadmium	0.0	0.0	NC	0-20	0.0	0.049	0.050	98.0	0.0	20
Calcium										
Chromium	0.024	0.024	0.0	0-20	0.028	0.22	0.20	96.0	0.0	20
Cobalt										
Copper										
Iron										
Lead	0.0	0.0	NC	0-20	0.0	0.45	0.50	90.0	2.2	20
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	0.019	0.018	5.4	0-20	0.018	2.0	2.0	99.1	0.0	20
Silver	0.0	0.0	NC	0-20	0.0	0.047	0.050	94.0	4.2	20
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP23082: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(B): Matrix Spike Rec. outside of QC limits
(anr): Analyte not requested

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23082 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 06/25/12 — 06/25/12

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Barium	2.0	2.0	100.0	80-120	2.0	2.0	100.0	80-120
Beryllium								
Cadmium	0.049	0.050	98.0	80-120	0.050	0.050	100.0	80-120
Calcium								
Chromium	0.20	0.20	100.0	80-120	0.20	0.20	100.0	80-120
Cobalt								
Copper								
Iron								
Lead	0.46	0.50	92.0	80-120	0.46	0.50	92.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Silver	0.047	0.050	94.0	80-120	0.049	0.050	98.0	80-120
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP23082: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 1

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23082 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: mg/l

Prep Date: 06/25/12

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	1.9	2.0	95.0	80-120
Barium	2.1	2.0	105.0	80-120
Beryllium				
Cadmium	0.050	0.050	100.0	80-120
Calcium				
Chromium	0.20	0.20	100.0	80-120
Cobalt				
Copper				
Iron				
Lead	0.46	0.50	92.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	2.0	2.0	100.0	80-120
Silver	0.048	0.050	96.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP23082: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 2

SERIAL DILUTION RESULTS SUMMARY

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23082 — Methods: SW846 6010C
Matrix Type: LEACHATE — Units: ug/l

Prep Date: 06/25/12

Metal	F94179-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	11.5	8.60	25.2 (a)	0-10
Barium	158	159	0.9	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	28.1	28.8	2.5	0-10
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	18.0	12.5	30.6 (a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP23082: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Page 1

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F94179
Account: RCSTXM - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23131 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 07/02/12 07/02/12

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.0010	.00084	.00005	-0.000020	<0.0010	-0.000088	<0.010

Associated samples MP23131: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.1 9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94179
Account: RCSTXM - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23131 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 07/02/12 07/02/12

Metal	F94179-2 Original	DUP	RPD	QC Limits	F94179-2 Original	MS	Spikelot MGFLM31	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.030	0.030	100.0	80-120

Associated samples MP23131: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.2.2 9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94179
Account: RCSTXM - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23131 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 07/02/12 07/02/12

Metal	F94179-2 Original	MSD	Spikelot MGFLM31	% Rec	MSD RPD	QC Limit	F94179-1 Original	DUP	RPD	QC Limits
Mercury	0.0	0.030	0.030	100.0	0.0	20	0.0	0.0	NC	0-20

Associated samples MP23131: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.2.2 9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F94179
Account: RCSTXM - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23131 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 07/02/12 07/02/12

Metal	BSP Result	Spikelot MGFLM31	% Rec	QC Limits	BSP Result	Spikelot MGFLM31	% Rec	QC Limits
Mercury	0.0030	0.0030	100.0	80-120	0.029	0.030	96.7	80-120

Associated samples MP23131: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.3 9

SERIAL DILUTION RESULTS SUMMARY

Login Number: F94179
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: M223131
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: ug/l

Prep Date: 07/02/12

Metal	F94179-2 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples M223131: F94179-1, F94179-2, F94179-3, F94179-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.4

6

e-Hardcopy 2.0
Automated Report

Southeast ACCUTEST LABORATORIES

07/16/12

Technical Report for

Remedial Construction Services

El Paso Phase II/2-3529; TX

Accutest Job Number: F94615

Sampling Dates: 06/20/12 - 06/27/12

Report to:

Remedial Construction Services
9977 W Sam Houston Pk Dr
Houston, TX 77064
matt.meyers@reconservices.com

ATTN: Matt Meyers

Total number of pages in report: **68**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

Remedial Construction Services

El Paso Phase II/2-3529; TX

Job No: F94615

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F94615-1	06/20/12	16:00	CG	07/03/12	SO	Sludge	ELDKS-GRDAO8-062012
F94615-2	06/27/12	16:00	CG	07/03/12	SO	Sludge	ELDKS-GRDAT6-062712

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: F94615
Account: Remedial Construction Services
Project: El Paso Phase II/2-3529; TX
Collected: 06/20/12 thru 06/27/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F94615-1	**ELDKS-GRDAO8-062012**					
Ethylbenzene		0.00028 J	0.0010	0.00020	mg/l	SW846 8260B
Toluene		0.00069 J	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0012 J	0.0030	0.00052	mg/l	SW846 8260B
3&4-Methylphenol		0.0012 J	0.0050	0.0011	mg/l	SW846 8270D
Acenaphthene		0.0041 J	0.0050	0.00050	mg/l	SW846 8270D
Anthracene		0.0012 J	0.0050	0.00050	mg/l	SW846 8270D
Carbazole		0.0032 J	0.0050	0.00050	mg/l	SW846 8270D
Dibenzofuran		0.0032 J	0.0050	0.00050	mg/l	SW846 8270D
Fluorene		0.0037 J	0.0050	0.00050	mg/l	SW846 8270D
2-Methylnaphthalene		0.0090	0.0050	0.00057	mg/l	SW846 8270D
Naphthalene		0.0244	0.0050	0.00080	mg/l	SW846 8270D
Phenanthrene		0.0059	0.0050	0.00050	mg/l	SW846 8270D
Pyrene		0.00087 J	0.0050	0.00050	mg/l	SW846 8270D
TPH (C10-C28)		2.41 J	2.5	1.0	mg/l	SW846 8015C
Chromium		0.013	0.010		mg/l	SW846 6010C
F94615-2	**ELDKS-GRDAT6-062712**					
Ethylbenzene		0.00084 J	0.0010	0.00020	mg/l	SW846 8260B
Toluene		0.0014	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0036	0.0030	0.00052	mg/l	SW846 8260B
3&4-Methylphenol		0.0031 J	0.0050	0.0011	mg/l	SW846 8270D
Acenaphthene		0.0080	0.0050	0.00050	mg/l	SW846 8270D
Acenaphthylene		0.0011 J	0.0050	0.00050	mg/l	SW846 8270D
Anthracene		0.0021 J	0.0050	0.00050	mg/l	SW846 8270D
Carbazole		0.0043 J	0.0050	0.00050	mg/l	SW846 8270D
Dibenzofuran		0.0078	0.0050	0.00050	mg/l	SW846 8270D
Fluoranthene		0.00092 J	0.0050	0.00050	mg/l	SW846 8270D
Fluorene		0.0089	0.0050	0.00050	mg/l	SW846 8270D
2-Methylnaphthalene		0.0221	0.0050	0.00057	mg/l	SW846 8270D
Naphthalene		0.0721	0.0050	0.00080	mg/l	SW846 8270D
Phenanthrene		0.0122	0.0050	0.00050	mg/l	SW846 8270D
Pyrene		0.0011 J	0.0050	0.00050	mg/l	SW846 8270D
TPH-GRO (C6-C10)		0.0687 J	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28)		2.68	2.5	1.0	mg/l	SW846 8015C
Chromium		0.032	0.010		mg/l	SW846 6010C

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAO8-062012		
Lab Sample ID:	F94615-1	**Date Sampled:**	06/20/12
Matrix:	SO - Sludge	**Date Received:**	07/03/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0060591.D	1	07/09/12	RB	07/06/12	OP42542	VM2469
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.010	mg/l	
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00028		0.0010	0.00020	mg/l	J
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.00069		0.0010	0.00020	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAO8-062012		
Lab Sample ID:	F94615-1	**Date Sampled:**	06/20/12
Matrix:	SO - Sludge	**Date Received:**	07/03/12
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0012		0.0030	0.00052	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	78% a		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

(a) Outside control limits due to matrix interference. Confirmed by MS/MSD.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAO8-062012		
Lab Sample ID:	F94615-1	**Date Sampled:**	06/20/12
Matrix:	SO - Sludge	**Date Received:**	07/03/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X024209.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0.010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	0.0012		0.0050	0.0011	mg/l	J
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0.00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0041		0.0050	0.00050	mg/l	J
208-96-8	Acenaphthylene	ND		0.0050	0.00050	mg/l	
120-12-7	Anthracene	0.0012		0.0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0.0032		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDA08-062012		
Lab Sample ID:	F94615-1	Date Sampled:	06/20/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0032		0.0050	0.00050	mg/l	J
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	ND		0.0050	0.00050	mg/l	
86-73-7	Fluorene	0.0037		0.0050	0.00050	mg/l	J
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0090		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0244		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0059		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.00087		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		14-62%
4165-62-2	Phenol-d5	41% a		10-40%
118-79-6	2,4,6-Tribromophenol	85%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDA08-062012		
Lab Sample ID:	F94615-1	Date Sampled:	06/20/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	93%		39-121%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDA08-062012		
Lab Sample ID:	F94615-1	Date Sampled:	06/20/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD115950.D	1	07/11/12	CP	07/06/12	OP42543	GCD4724
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND		0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		57-129%
98-08-8	aaa-Trifluorotoluene	104%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	ELDKS-GRDA08-062012		
Lab Sample ID:	F94615-1	Date Sampled:	06/20/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42282 D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	2.41		2.5	1.0	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAO8-062012		
Lab Sample ID:	F94615-1	Date Sampled:	06/20/12
Matrix:	SO - Sludge	Date Received:	07/03/12
		Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0 050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium	0 013		0.010	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	07/09/12	07/09/12	RL	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA9931
(2) Instrument QC Batch: MA9934
(3) Prep QC Batch: MP23163
(4) Prep QC Batch. MP23164

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0060592.D	1	07/09/12	RB	07/06/12	OP42542	VM2469
Run #2 [a]	M0060611.D	1	07/10/12	RB	07/06/12	OP42542	VM2469

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.010	mg/l	
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00020	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00020	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00022	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00050	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00025	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0 00025	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0 0010	0.00023	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00020	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00025	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0 0010	0.00026	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00035	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00084		0.0010	0.00020	mg/l	J
591-78-6	2-Hexanone	ND		0.010	0.0040	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0020	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00050	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00050	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0020	mg/l	
100-42-5	Styrene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00023	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00022	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00025	mg/l	
108-88-3	Toluene	0.0014		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0 0010	0.00026	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8260B SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

VOA TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00022	mg/l	
1330-20-7	Xylene (total)	0.0036		0.0030	0.00052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	63% [b]	70%	87-116%
17060-07-0	1,2-Dichloroethane-D4	91%	92%	76-127%
2037-26-5	Toluene-D8	93%	93%	86-112%
460-00-4	4-Bromofluorobenzene	92%	93%	84-120%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X024211.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND		0.050	0.010	mg/l	
95-57-8	2-Chlorophenol	ND		0.0050	0.00050	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND		0.0050	0.00050	mg/l	
120-83-2	2,4-Dichlorophenol	ND		0.0050	0.00050	mg/l	
105-67-9	2,4-Dimethylphenol	ND		0.0050	0.0011	mg/l	
51-28-5	2,4-Dinitrophenol	ND		0.025	0.010	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND		0 010	0.0020	mg/l	
95-48-7	2-Methylphenol	ND		0.0050	0.00054	mg/l	
	3&4-Methylphenol	0.0031		0.0050	0.0011	mg/l	J
88-75-5	2-Nitrophenol	ND		0.0050	0.00054	mg/l	
100-02-7	4-Nitrophenol	ND		0.025	0.0050	mg/l	
87-86-5	Pentachlorophenol	ND		0.025	0.0054	mg/l	
108-95-2	Phenol	ND		0.0050	0 00050	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00050	mg/l	
83-32-9	Acenaphthene	0.0080		0.0050	0.00050	mg/l	
208-96-8	Acenaphthylene	0.0011		0.0050	0.00050	mg/l	J
120-12-7	Anthracene	0.0021		0 0050	0.00050	mg/l	J
56-55-3	Benzo(a)anthracene	ND		0.0050	0.00050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	0.00050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	0.00050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	0.00050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	0.00050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
85-68-7	Butyl benzyl phthalate	ND		0.0050	0.0011	mg/l	
100-51-6	Benzyl Alcohol	ND		0.0050	0.0010	mg/l	
91-58-7	2-Chloronaphthalene	ND		0.0050	0.00050	mg/l	
106-47-8	4-Chloroaniline	ND		0.0050	0.00050	mg/l	
86-74-8	Carbazole	0 0043		0.0050	0.00050	mg/l	J
218-01-9	Chrysene	ND		0.0050	0.00050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	0.00050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	0.00054	mg/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	0.00054	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
541-73-1	1,3-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
106-46-7	1,4-Dichlorobenzene	ND		0.0050	0.0010	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.0050	0.00050	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.010	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	0.00052	mg/l	
132-64-9	Dibenzofuran	0.0078		0.0050	0.00050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	0.00087	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	0.0011	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	0.00099	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		0.0050	0.0011	mg/l	
206-44-0	Fluoranthene	0.00092		0.0050	0.00050	mg/l	J
86-73-7	Fluorene	0.0089		0.0050	0.00050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	0.00056	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	0.0010	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	0.0019	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	0.0010	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	0.00050	mg/l	
78-59-1	Isophorone	ND		0.0050	0.00050	mg/l	
91-57-6	2-Methylnaphthalene	0.0221		0.0050	0.00057	mg/l	
88-74-4	2-Nitroaniline	ND		0.0050	0.00050	mg/l	
99-09-2	3-Nitroaniline	ND		0.0050	0.00050	mg/l	
100-01-6	4-Nitroaniline	ND		0.0050	0.00050	mg/l	
91-20-3	Naphthalene	0.0721		0.0050	0.00080	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	0.00059	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	0.00050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	0.0010	mg/l	
85-01-8	Phenanthrene	0.0122		0.0050	0.00050	mg/l	
129-00-0	Pyrene	0.0011		0.0050	0.00050	mg/l	J
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	0.00050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		14-62%
4165-62-2	Phenol-d5	33%		10-40%
118-79-6	2,4,6-Tribromophenol	88%		33-118%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

ABN TCL List — SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	92%		39-121%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8015C SW846 1312	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD115951.D	1	07/11/12	CP	07/06/12	OP42543	GCD4724
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0687		0.10	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		57-129%
98-08-8	aaa-Trifluorotoluene	107%		58-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	ELDKS-GRDAT6-062712		
Lab Sample ID:	F94615-2	Date Sampled:	06/27/12
Matrix:	SO - Sludge	Date Received:	07/03/12
Method:	SW846 8015C SW846 3510C	Percent Solids:	n/a
Project:	El Paso Phase II/2-3529; TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42284.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH (C10-C28)	2.68		2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		42-114%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: ELDKS-GRDAT6-062712
Lab Sample ID: F94615-2
Matrix: SO - Sludge
Project: El Paso Phase II/2-3529; TX

Date Sampled: 06/27/12
Date Received: 07/03/12
Percent Solids: n/a

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.050		0.050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Barium	< 1.0		1.0	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Cadmium	< 0.0050		0.0050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium	0.032		0.010	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Lead	< 0.050		0.050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Mercury	< 0.010		0.010	mg/l	1	07/09/12	07/09/12	JL	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.050		0.050	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]
Silver	< 0.010		0.010	mg/l	1	07/09/12	07/09/12	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA9931
(2) Instrument QC Batch: MA9934
(3) Prep QC Batch: MP23163
(4) Prep QC Batch: MP23164

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (TX)
- Chain of Custody

RECON

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1 F94615

Project Name/No. El Paso Phase II / 2-3529
Sample Team Jon Richardson
Profit Center No. N/A
Project Manager Matt Meyers
Purchase Order No. 2-3529-10xx
Required Report Date See Below

Samples Shipment Date 7/2/2012
Lab Destination Accutest Laboratories
Lab Contact Heather Wandrey
Project Contact/Phone 417-425-6700
Carrier/Waybill No.

Bill to Matt Meyers
9977 West Sam Houston PKY North, Suite 190
Houston, Tx. 77064
Report to Matt Meyers
9977 West Sam Houston PKY North, Suite 100
Houston, Tx. 77064

ONE CONTAINER PER LINE

	Sample Number	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record No.
1	ELDKS-GRDAO6-062712	Stabilized Sludge	6/28/12 1600	3x6 Cyl	1-3x6		[illegible]		
2	ELDKS-GRDA19-062712	Stabilized Sludge	6/27/12 1600	3x6 Cyl	1-3x6		[illegible]		

Special Instructions:
Possible Hazard Identification: Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐
Sample Disposal: Return to Client ☐ Disposal by Lab ☐ Archive ____ (mos.)
Turnaround Time Required: Normal ☐ Rush ☐ Standard 24T ☐ OC Level: NA I ☐ II ☐ III ☐ Project Specific (specify)

1. Relinquished by (Signature/Station) Carlos Chavez — Date: 7/2/2012 Time: 1500
1. Received by (Signature/Station) FX — Date ____ Time ____
2. Relinquished by (Signature/Station) — Date ____ Time ____
2. Received by (Signature/Station) J. Corse (AISE) — Date 7-3-12 Time 0750
3. Relinquished by (Signature/Station) — Date ____ Time ____
3. Received by (Signature/Station) — Date ____ Time ____

Comments: 20.6

F94615: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F94615 CLIENT: RECON PROJECT: El Paso Phase 2
DATE/TIME RECEIVED: 7-3-12 0750 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 7931 1619 6760

COOLER INFORMATION
- ☐ CUSTODY SEAL NOT PRESENT OR NOT INTACT
- ☐ CHAIN OF CUSTODY NOT RECEIVED (COC)
- ☐ ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- ☐ SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- X TEMPERATURE CRITERIA NOT MET
- ☐ WET ICE PRESENT

TRIP BLANK INFORMATION
- ☐ TRIP BLANK PROVIDED
- X TRIP BLANK NOT PROVIDED
- X TRIP BLANK NOT ON COC
- ☐ TRIP BLANK INTACT
- ☐ TRIP BLANK NOT INTACT
- ☐ RECEIVED WATER TRIP BLANK
- ☐ RECEIVED SOIL TRIP BLANK

MISC. INFORMATION
NUMBER OF ENCORES? 25-GRAM ____ 5-GRAM ____
NUMBER OF 5035 FIELD KITS? ____
NUMBER OF LAB FILTERED METALS? ____

TEMPERATURE INFORMATION
- ☐ IR THERM ID. 1 CORR. FACTOR +0.4
- ☐ OBSERVED TEMPS: 20.6
- ☐ CORRECTED TEMPS: 20.6

SAMPLE INFORMATION
- ☐ SAMPLE LABELS PRESENT ON ALL BOTTLES
- ☐ INCORRECT NUMBER OF CONTAINERS USED
- ☐ SAMPLE RECEIVED IMPROPERLY PRESERVED
- ☐ INSUFFICIENT VOLUME FOR ANALYSIS
- ☐ DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ☐ ID'S ON COC DO NOT MATCH LABEL
- ☐ VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- ☐ BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- ☐ NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- ☐ UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- ☐ SAMPLE CONTAINER(S) RECEIVED BROKEN
- ☐ % SOLIDS JAR NOT RECEIVED
- ☐ 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- ☐ RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: TEMPERATURE CRITERIA NOT MET; SAMPLES RECEIVED OUT OF HOLD

TECHNICIAN SIGNATURE/DATE: 7-3-12 REVIEWER SIGNATURE/DATE: 07/03/12
NF 12/10 receipt confirmation 122910.xls

F94615: Chain of Custody
Page 2 of 2

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42542-LB	M0060588.D	1	07/09/12	RB	07/06/12	OP42542	VM2469

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42542-LB	M0060588.D	1	07/09/12	RB	07/06/12	OP42542	VM2469

5.1.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	87-116%
17060-07-0	1,2-Dichloroethane-D4	93%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	93%	84-120%

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM2469-BS	M0060586.D	1	07/09/12	RB	n/a	n/a	VM2469

5.2.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
71-43-2	Benzene	25	22.1	88	83-124
75-27-4	Bromodichloromethane	25	22.7	91	76-116
75-25-2	Bromoform	25	25.2	101	68-128
108-90-7	Chlorobenzene	25	25.3	101	87-115
75-00-3	Chloroethane	25	16.4	66	54-166
67-66-3	Chloroform	25	23.0	92	85-123
75-15-0	Carbon disulfide	25	19.5	78	67-147
56-23-5	Carbon tetrachloride	25	22.8	91	74-139
75-34-3	1,1-Dichloroethane	25	22.3	89	82-127
75-35-4	1,1-Dichloroethylene	25	25.3	101	75-133
107-06-2	1,2-Dichloroethane	25	22.3	89	76-122
78-87-5	1,2-Dichloropropane	25	22.4	90	81-120
124-48-1	Dibromochloromethane	25	24.6	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.5	90	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.4	90	83-119
156-60-5	trans-1,2-Dichloroethylene	25	21.8	87	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	24.5	98	87-118
591-78-6	2-Hexanone	125	134	107	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	18.4	74	55-151
74-87-3	Methyl chloride	25	15.4	62	55-173
75-09-2	Methylene chloride	25	20.6	82	69-125
78-93-3	Methyl ethyl ketone	125	106	85	61-127
100-42-5	Styrene	25	24.8	99	78-118
71-55-6	1,1,1-Trichloroethane	25	23.1	92	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.3	97	80-114
127-18-4	Tetrachloroethylene	25	26.2	105	80-131
108-88-3	Toluene	25	25.0	100	86-116
79-01-6	Trichloroethylene	25	23.5	94	85-124
75-01-4	Vinyl chloride	25	16.8	67	57-153
1330-20-7	Xylene (total)	75	75.7	101	86-120

* = Outside of Control Limits

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM2469-BS	M0060586.D	1	07/09/12	RB	n/a	n/a	VM2469

5.2.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	92%	84-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94615-1MS	M0060596.D	1	07/09/12	RB	n/a	n/a	VM2469
F94615-1MSD	M0060597.D	1	07/09/12	RB	n/a	n/a	VM2469
F94615-1	M0060591.D	1	07/09/12	RB	07/06/12	OP42542	VM2469

5.3.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Compound	F94615-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	116	93	111	89	4	59-134/14
71-43-2	Benzene	ND		25	23.0	92	21.7	87	6	83-124/11
75-27-4	Bromodichloromethane	ND		25	20.5	82	19.4	78	6	76-116/10
75-25-2	Bromoform	ND		25	23.7	95	21.7	87	9	68-128/11
108-90-7	Chlorobenzene	ND		25	25.0	100	24.3	97	3	87-115/9
75-00-3	Chloroethane	ND		25	18.1	72	17.8	71	2	54-166/20
67-66-3	Chloroform	ND		25	23.3	93	22.2	89	5	85-123/10
75-15-0	Carbon disulfide	ND		25	19.1	76	17.0	68	12	67-147/12
56-23-5	Carbon tetrachloride	ND		25	23.8	95	22.0	88	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	22.7	91	21.7	87	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	31.5	126	22.6	90	33*	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	22.4	90	21.7	87	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	23.1	92	21.9	88	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	21.5	86	20.6	82	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.2	89	21.5	86	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	7.3	29*	6.1	24*	18*	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	21.9	88	21.1	84	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	15.4	62*	14.1	56*	9	87-123/10
100-41-4	Ethylbenzene	0.28	J	25	24.4	96	22.9	90	6	87-118/10
591-78-6	2-Hexanone	ND		125	130	104	126	101	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	123	98	119	95	3	62-125/13
74-83-9	Methyl bromide	ND		25	3.8	15*	2.7	11*	34*	55-151/21
74-87-3	Methyl chloride	ND		25	16.4	66	15.7	63	4	55-173/22
75-09-2	Methylene chloride	ND		25	21.5	86	20.9	84	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	107	86	103	82	4	61-127/13
100-42-5	Styrene	ND		25	24.0	96	23.3	93	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	23.0	92	21.6	86	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	ND	0*	ND	0*	nc	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	17.4	70*	15.8	63*	10	80-114/11
127-18-4	Tetrachloroethylene	ND		25	25.3	101	24.0	96	5	80-131/12
108-88-3	Toluene	0.69	J	25	25.1	98	24.2	94	4	86-116/10
79-01-6	Trichloroethylene	ND		25	44.0	176*	42.0	168*	5	85-124/10
75-01-4	Vinyl chloride	ND		25	18.5	74	16.8	67	10	57-153/22
1330-20-7	Xylene (total)	1.2	J	75	75.1	99	71.7	94	5	86-120/10

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94615-1MS	M0060596.D	1	07/09/12	RB	n/a	n/a	VM2469
F94615-1MSD	M0060597.D	1	07/09/12	RB	n/a	n/a	VM2469
F94615-1	M0060591.D	1	07/09/12	RB	07/06/12	OP42542	VM2469

5.3.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Surrogate Recoveries	MS	MSD	F94615-1	Limits
1868-53-7	Dibromofluoromethane	81%*	79%*	78%* a	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	87%	90%	76-127%
2037-26-5	Toluene-D8	97%	96%	96%	86-112%
460-00-4	4-Bromofluorobenzene	97%	93%	94%	84-120%

(a) Outside control limits due to matrix interference. Confirmed by MS/MSD.

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93434-3RDUP	M0060594.D	1	07/09/12	RB	n/a	n/a	VM2469
F93434-3R	M0060593.D	1	07/09/12	RB	07/06/12	OP42542	VM2469

5.4.1 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Compound	F93434-3R ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	25 U		ND		nc	14
71-43-2	Benzene	1.0 U		ND		nc	11
75-27-4	Bromodichloromethane	1.0 U		ND		nc	10
75-25-2	Bromoform	1.0 U		ND		nc	11
108-90-7	Chlorobenzene	1.0 U		ND		nc	9
75-00-3	Chloroethane	2.0 U		ND		nc	20
67-66-3	Chloroform	1.0 U		ND		nc	10
75-15-0	Carbon disulfide	2.0 U		ND		nc	12
56-23-5	Carbon tetrachloride	1.0 U		ND		nc	13
75-34-3	1,1-Dichloroethane	1.0 U		ND		nc	10
75-35-4	1,1-Dichloroethylene	1.0 U		ND		nc	13
107-06-2	1,2-Dichloroethane	1.0 U		ND		nc	11
78-87-5	1,2-Dichloropropane	1.0 U		ND		nc	11
124-48-1	Dibromochloromethane	1.0 U		ND		nc	11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		ND		nc	10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		ND		nc	10
100-41-4	Ethylbenzene	0.65	J	0.30	J	74*	10
591-78-6	2-Hexanone	10 U		ND		nc	14
108-10-1	4-Methyl-2-pentanone	5.0 U		ND		nc	13
74-83-9	Methyl bromide	2.0 U		ND		nc	21
74-87-3	Methyl chloride	2.0 U		ND		nc	22
75-09-2	Methylene chloride	5.0 U		ND		nc	11
78-93-3	Methyl ethyl ketone	5.0 U		ND		nc	13
100-42-5	Styrene	1.0 U		ND		nc	11
71-55-6	1,1,1-Trichloroethane	1.0 U		ND		nc	11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		ND		nc	11
79-00-5	1,1,2-Trichloroethane	1.0 U		ND		nc	11
127-18-4	Tetrachloroethylene	1.0 U		ND		nc	12
108-88-3	Toluene	6.3		0.31	J	181*	10
79-01-6	Trichloroethylene	1.0 U		ND		nc	10
75-01-4	Vinyl chloride	1.0 U		ND		nc	22
1330-20-7	Xylene (total)	3.4		1.2	J	96*	10

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F93434-3RDUP	M0060594.D	1	07/09/12	RB	n/a	n/a	VM2469
F93434-3R	M0060593.D	1	07/09/12	RB	07/06/12	OP42542	VM2469

5.4.1

5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F94615-1, F94615-2

CAS No.	Surrogate Recoveries	DUP	F93434-3R	Limits
1868-53-7	Dibromofluoromethane	76%*	80%**	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	92%	76-127%
2037-26-5	Toluene-D8	97%	96%	86-112%
460-00-4	4-Bromofluorobenzene	90%	95%	84-120%

(a) Outside control limits due to matrix interference. Confirmed by duplicate.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-LB	X024207.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.1.1

6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.50	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.50	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.54	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.4	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.50	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.50	ug/l	
218-01-9	Chrysene	ND	5.0	0.50	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.50	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-LB	X024207.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.1.1

6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.50	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.52	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.56	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	1.9	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.50	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.80	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.59	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.50	ug/l	
129-00-0	Pyrene	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	71%	40-106%

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-LB	X024207.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.1.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	95%	39-121%

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-LBS	X024206.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.2.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	21.3	21	10-50
95-57-8	2-Chlorophenol	50	38.6	77	44-103
59-50-7	4-Chloro-3-methyl phenol	50	38.5	77	53-105
120-83-2	2,4-Dichlorophenol	50	39.5	79	53-108
105-67-9	2,4-Dimethylphenol	50	32.8	66	37-91
51-28-5	2,4-Dinitrophenol	100	71.6	72	37-111
534-52-1	4,6-Dinitro-o-cresol	100	89.1	89	62-115
95-48-7	2-Methylphenol	50	32.6	65	35-91
	3&4-Methylphenol	100	61.8	62	32-85
88-75-5	2-Nitrophenol	50	39.5	79	49-111
100-02-7	4-Nitrophenol	100	36.8	37	13-55
87-86-5	Pentachlorophenol	100	87.5	88	57-118
108-95-2	Phenol	50	16.6	33	13-54
95-95-4	2,4,5-Trichlorophenol	50	42.0	84	59-106
88-06-2	2,4,6-Trichlorophenol	50	40.6	81	58-107
83-32-9	Acenaphthene	50	39.6	79	58-106
208-96-8	Acenaphthylene	50	37.1	74	58-105
120-12-7	Anthracene	50	42.7	85	65-108
56-55-3	Benzo(a)anthracene	50	43.6	87	63-111
50-32-8	Benzo(a)pyrene	50	41.8	84	62-106
205-99-2	Benzo(b)fluoranthene	50	46.1	92	63-109
191-24-2	Benzo(g,h,i)perylene	50	45.5	91	61-111
207-08-9	Benzo(k)fluoranthene	50	43.4	87	64-111
101-55-3	4-Bromophenyl phenyl ether	50	44.1	88	64-107
85-68-7	Butyl benzyl phthalate	50	43.3	87	59-114
100-51-6	Benzyl Alcohol	50	33.4	67	34-98
91-58-7	2-Chloronaphthalene	50	41.4	83	54-105
106-47-8	4-Chloroaniline	50	37.3	75	53-103
86-74-8	Carbazole	50	41.4	83	66-109
218-01-9	Chrysene	50	43.8	88	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	39.9	80	48-101
111-44-4	bis(2-Chloroethyl)ether	50	39.4	79	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	45.3	91	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	38.4	77	61-107
95-50-1	1,2-Dichlorobenzene	50	37.9	76	41-102
541-73-1	1,3-Dichlorobenzene	50	36.6	73	38-100

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-LBS	X024206.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.2.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	37.0	74	40-100
121-14-2	2,4-Dinitrotoluene	50	39.5	79	60-109
606-20-2	2,6-Dinitrotoluene	50	39.7	79	58-104
91-94-1	3,3'-Dichlorobenzidine	50	42.3	85	57-105
53-70-3	Dibenzo(a,h)anthracene	50	43.0	86	62-112
132-64-9	Dibenzofuran	50	39.4	79	61-108
84-74-2	Di-n-butyl phthalate	50	40.8	82	62-109
117-84-0	Di-n-octyl phthalate	50	43.1	86	60-120
84-66-2	Diethyl phthalate	50	41.1	82	62-109.
131-11-3	Dimethyl phthalate	50	39.5	79	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.5	85	59-116
206-44-0	Fluoranthene	50	39.7	79	65-114
86-73-7	Fluorene	50	39.9	80	61-106
118-74-1	Hexachlorobenzene	50	41.8	84	62-107
87-68-3	Hexachlorobutadiene	50	38.5	77	38-107
77-47-4	Hexachlorocyclopentadiene	50	36.9	74	19-84
67-72-1	Hexachloroethane	50	39.8	80	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.0	90	61-113
78-59-1	Isophorone	50	32.5	65	56-111
91-57-6	2-Methylnaphthalene	50	37.6	75	56-112
88-74-4	2-Nitroaniline	50	45.4	91	60-109
99-09-2	3-Nitroaniline	50	39.6	79	52-107
100-01-6	4-Nitroaniline	50	42.6	85	59-111
91-20-3	Naphthalene	50	38.0	76	50-104
98-95-3	Nitrobenzene	50	41.1	82	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	40.0	80	51-104
86-30-6	N-Nitrosodiphenylamine	50	43.9	88	57-110
85-01-8	Phenanthrene	50	43.1	86	65-108
129-00-0	Pyrene	50	47.4	95	60-113
120-82-1	1,2,4-Trichlorobenzene	50	37.0	74	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	78%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-LBS	X024206.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.2.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	97%	39-121%

* = Outside of Control Limits

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-MS	X024212.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
OP42551-MSD	X024213.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
F94615-2	X024211.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.3.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	F94615-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		200	135	68*	117	59*	14	10-50/40
95-57-8	2-Chlorophenol	ND		100	82.1	82	87.9	88	7	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	90.2	90	95.4	95	6	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	87.9	88	94.5	95	7	53-108/26
105-67-9	2,4-Dimethylphenol	ND		100	76.4	76	84.3	84	10	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	172	86	163	82	5	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	188	94	182	91	3	62-115/26
95-48-7	2-Methylphenol	ND		100	78.1	78	82.4	82	5	35-91/30
	3&4-Methylphenol	3.1	J	200	157	77	164	80	4	32-85/29
88-75-5	2-Nitrophenol	ND		100	86.0	86	92.9	93	8	49-111/30
100-02-7	4-Nitrophenol	ND		200	147	74*	158	79*	7	13-55/31
87-86-5	Pentachlorophenol	ND		200	191	96	192	96	1	57-118/26
108-95-2	Phenol	ND		100	59.0	59*	56.8	57*	4	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	88.5	89	87.4	87	1	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	86.1	86	87.1	87	1	58-107/24
83-32-9	Acenaphthene	8.0		100	96.1	88	103	95	7	58-106/21
208-96-8	Acenaphthylene	1.1	J	100	81.8	81	87.3	86	7	58-105/21
120-12-7	Anthracene	2.1	J	100	88.5	86	92.4	90	4	65-108/19
56-55-3	Benzo(a)anthracene	ND		100	88.1	88	91.7	92	4	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	83.1	83	86.0	86	3	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	94.8	95	97.4	97	3	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	87.8	88	91.8	92	4	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	83.6	84	88.0	88	5	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	90.6	91	95.1	95	5	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	87.4	87	91.1	91	4	59-114/20
100-51-6	Benzyl Alcohol	ND		100	81.2	81	86.2	86	6	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	84.7	85	87.0	87	3	54-105/24
106-47-8	4-Chloroaniline	ND		100	70.1	70	72.8	73	4	53-103/22
86-74-8	Carbazole	4.3	J	100	100	96	107	103	7	66-109/20
218-01-9	Chrysene	ND		100	87.9	88	90.8	91	3	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	86.6	87	95.6	96	10	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	77.1	77	84.4	84	9	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	89.3	89	97.0	97	8	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	81.9	82	83.3	83	2	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	80.7	81	86.8	87	7	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	78.1	78	85.7	86	9	38-100/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-MS	X024212 D	1	07/09/12	FS	07/09/12	OP42551	SX1176
OP42551-MSD	X024213 D	1	07/09/12	FS	07/09/12	OP42551	SX1176
F94615-2	X024211.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.3.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	F94615-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	77.7	78	85.4	85	9	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	83.2	83	86.0	86	3	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	83.9	84	86.4	86	3	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	59.0	59	64.6	65	9	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	86.2	86	90.4	90	5	62-112/20
132-64-9	Dibenzofuran	7.8		100	99.0	91	105	97	6	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	84.9	85	87.9	88	3	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	87.9	88	90.1	90	2	60-120/24
84-66-2	Diethyl phthalate	ND		100	86.2	86	86.8	87	1	62-109/19
131-11-3	Dimethyl phthalate	ND		100	81.0	81	83.6	84	3	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	87.1	87	89.1	89	2	59-116/21
206-44-0	Fluoranthene	0.92	J	100	84.3	83	88.2	87	5	65-114/21
86-73-7	Fluorene	8.9		100	98.5	90	104	95	5	61-106/19
118-74-1	Hexachlorobenzene	ND		100	86.7	87	91.0	91	5	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	85.7	86	95.7	96	11	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	73.9	74	79.0	79	7	19-84/35
67-72-1	Hexachloroethane	ND		100	88.8	89	96.3	96	8	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	89.1	89	94.5	95	6	61-113/20
78-59-1	Isophorone	ND		100	71.1	71	77.9	78	9	56-111/26
91-57-6	2-Methylnaphthalene	22.1		100	126	104	147	125*	15	56-112/26
88-74-4	2-Nitroaniline	ND		100	92.3	92	94.4	94	2	60-109/20
99-09-2	3-Nitroaniline	ND		100	65.1	65	67.5	68	4	52-107/21
100-01-6	4-Nitroaniline	ND		100	82.7	83	84.5	85	2	59-111/21
91-20-3	Naphthalene	72.1		100	285	213*	350	278*	20	50-104/28
98-95-3	Nitrobenzene	ND		100	88.4	88	98.0	98	10	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	82.8	83	89.7	90	8	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	88.6	89	92.8	93	5	57-110/19
85-01-8	Phenanthrene	12.2		100	102	90	109	97	7	65-108/20
129-00-0	Pyrene	1.1	J	100	92.7	92	96.2	95	4	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	81.6	82	91.4	91	11	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F94615-2	Limits
367-12-4	2-Fluorophenol			45%	14-62%
4165-62-2	Phenol-d5			33%	10-40%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-MS	X024212.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
OP42551-MSD	X024213.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
F94615-2	X024211.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.3.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Surrogate Recoveries	MS	MSD	F94615-2	Limits
118-79-6	2,4,6-Tribromophenol			88%	33-118%
4165-60-0	Nitrobenzene-d5	83%	92%	76%	42-108%
321-60-8	2-Fluorobiphenyl	77%	82%	74%	40-106%
1718-51-0	Terphenyl-d14	96%	100%	92%	39-121%

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-DUP	X024210.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
F94615-1	X024209.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

6.4.1 6

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	F94615-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
65-85-0	Benzoic Acid	ND		ND		nc	40
95-57-8	2-Chlorophenol	ND		ND		nc	29
59-50-7	4-Chloro-3-methyl phenol	ND		ND		nc	24
120-83-2	2,4-Dichlorophenol	ND		ND		nc	26
105-67-9	2,4-Dimethylphenol	ND		ND		nc	28
51-28-5	2,4-Dinitrophenol	ND		ND		nc	30
534-52-1	4,6-Dinitro-o-cresol	ND		ND		nc	26
95-48-7	2-Methylphenol	ND		ND		nc	30
	3&4-Methylphenol	1.2	J	ND		200*	29
88-75-5	2-Nitrophenol	ND		ND		nc	30
100-02-7	4-Nitrophenol	ND		ND		nc	31
87-86-5	Pentachlorophenol	ND		ND		nc	26
108-95-2	Phenol	ND		ND		nc	34
95-95-4	2,4,5-Trichlorophenol	ND		ND		nc	23
88-06-2	2,4,6-Trichlorophenol	ND		ND		nc	24
83-32-9	Acenaphthene	4.1	J	4.2	J	2	21
208-96-8	Acenaphthylene	ND		ND		nc	21
120-12-7	Anthracene	1.2	J	1.2	J	0	19
56-55-3	Benzo(a)anthracene	ND		ND		nc	19
50-32-8	Benzo(a)pyrene	ND		ND		nc	20
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	20
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	21
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	20
101-55-3	4-Bromophenyl phenyl ether	ND		ND		nc	20
85-68-7	Butyl benzyl phthalate	ND		ND		nc	20
100-51-6	Benzyl Alcohol	ND		ND		nc	27
91-58-7	2-Chloronaphthalene	ND		ND		nc	24
106-47-8	4-Chloroaniline	ND		ND		nc	22
86-74-8	Carbazole	3.2	J	2.7	J	17	20
218-01-9	Chrysene	ND		ND		nc	19
111-91-1	bis(2-Chloroethoxy)methane	ND		ND		nc	28
111-44-4	bis(2-Chloroethyl)ether	ND		ND		nc	27
108-60-1	bis(2-Chloroisopropyl)ether	ND		ND		nc	27
7005-72-3	4-Chlorophenyl phenyl ether	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	28
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	28

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-DUP	X024210.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
F94615-1	X024209.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Compound	F94615-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	28
121-14-2	2,4-Dinitrotoluene	ND		ND		nc	20
606-20-2	2,6-Dinitrotoluene	ND		ND		nc	21
91-94-1	3,3'-Dichlorobenzidine	ND		ND		nc	25
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	20
132-64-9	Dibenzofuran	3.2	J	3.2	J	0	20
84-74-2	Di-n-butyl phthalate	ND		ND		nc	20
117-84-0	Di-n-octyl phthalate	ND		ND		nc	24
84-66-2	Diethyl phthalate	ND		ND		nc	19
131-11-3	Dimethyl phthalate	ND		ND		nc	19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		ND		nc	21
206-44-0	Fluoranthene	ND		ND		nc	21
86-73-7	Fluorene	3.7	J	3.9	J	5	19
118-74-1	Hexachlorobenzene	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	30
77-47-4	Hexachlorocyclopentadiene	ND		ND		nc	35
67-72-1	Hexachloroethane	ND		ND		nc	29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	20
78-59-1	Isophorone	ND		ND		nc	26
91-57-6	2-Methylnaphthalene	9.0		9.8		9	26
88-74-4	2-Nitroaniline	ND		ND		nc	20
99-09-2	3-Nitroaniline	ND		ND		nc	21
100-01-6	4-Nitroaniline	ND		ND		nc	21
91-20-3	Naphthalene	24.4		27.6		12	28
98-95-3	Nitrobenzene	ND		ND		nc	28
621-64-7	N-Nitroso-di-n-propylamine	ND		ND		nc	28
86-30-6	N-Nitrosodiphenylamine	ND		ND		nc	19
85-01-8	Phenanthrene	5.9		5.7		3	20
129-00-0	Pyrene	0.87	J	0.76	J	13	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	F94615-1	Limits
367-12-4	2-Fluorophenol		51%	14-62%
4165-62-2	Phenol-d5		41%**	10-40%

* = Outside of Control Limits.

6.4.1 6

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42551-DUP	X024210.D	1	07/09/12	FS	07/09/12	OP42551	SX1176
F94615-1	X024209.D	1	07/09/12	FS	07/09/12	OP42551	SX1176

The QC reported here applies to the following samples: **Method:** SW846 8270D

F94615-1, F94615-2

CAS No.	Surrogate Recoveries	DUP	F94615-1	Limits
118-79-6	2,4,6-Tribromophenol		85%	33-118%
4165-60-0	Nitrobenzene-d5	81%	75%	42-108%
321-60-8	2-Fluorobiphenyl	79%	73%	40-106%
1718-51-0	Terphenyl-d14	96%	93%	39-121%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

6.4.1 6

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

7

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42543-LB	CD115949.D	1	07/11/12	CP	07/06/12	OP42543	GCD4724

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94615-1, F94615-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	57-129%
98-08-8	aaa-Trifluorotoluene	102%	58-120%

7.1.1 7

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD4724-BS	CD115948.D	1	07/11/12	CP	n/a	n/a	GCD4724

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94615-1, F94615-2

7.2.1

7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.443	111	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	120%	58-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94615-2MS	CD115953.D	1	07/11/12	CP	n/a	n/a	GCD4724
F94615-2MSD	CD115954.D	1	07/11/12	CP	n/a	n/a	GCD4724
F94615-2	CD115951.D	1	07/11/12	CP	07/06/12	OP42543	GCD4724

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94615-1, F94615-2

7.3.1

7

CAS No.	Compound	F94615-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.0687	J	0.4	0.491	106	0.481	103	2	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F94615-2	Limits
460-00-4	4-Bromofluorobenzene	104%	105%	105%	57-129%
98-08-8	aaa-Trifluorotoluene	127%* a	123%* a	107%	58-120%

(a) Outside control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F94615-1DUP	CD115952.D	1	07/11/12	CP	n/a	n/a	GCD4724
F94615-1	CD115950.D	1	07/11/12	CP	07/06/12	OP42543	GCD4724

The QC reported here applies to the following samples: **Method:** SW846 8015C

F94615-1, F94615-2

7.4.1

7

CAS No.	Compound	F94615-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	ND		ND		nc	13

CAS No.	Surrogate Recoveries	DUP	F94615-1	Limits
460-00-4	4-Bromofluorobenzene	103%	102%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	104%	58-120%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

8

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42576-LB	LL42281.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615

The QC reported here applies to the following samples: Method: SW846 8015C

F94615-1, F94615-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	2.5	1.0	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	42-114%

8.1.1 8

Blank Spike Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42576-LBS	LL42280.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615

The QC reported here applies to the following samples: Method: SW846 8015C

F94615-1, F94615-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	10	9.13	91	59-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	42-114%

8.2.1 8

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42576-MS	LL42285.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615
OP42576-MSD	LL42286.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615
F94615-2	LL42284.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615

The QC reported here applies to the following samples: Method: SW846 8015C

F94615-1, F94615-2

CAS No.	Compound	F94615-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	2.68		10	11.9	92	11.6	89	3	59-114/34

CAS No.	Surrogate Recoveries	MS	MSD	F94615-2	Limits
84-15-1	o-Terphenyl	100%	97%	99%	42-114%

8.3.1 8

* = Outside of Control Limits.

Duplicate Summary

Job Number: F94615
Account: RCSTXH Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42576-DUP	LL42283.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615
F94615-1	LL42282.D	1	07/12/12	SJL	07/10/12	OP42576	GLL1615

The QC reported here applies to the following samples: Method: SW846 8015C

F94615-1, F94615-2

CAS No.	Compound	F94615-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH (C10-C28)	2.41	J	1.44	J	50*	34

CAS No.	Surrogate Recoveries	DUP	F94615-1	Limits
84-15-1	o-Terphenyl	86%	98%	42-114%

8.4.1 8

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F94615
Account: RCETXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23163
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:				07/09/12		07/09/12		07/09/12	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	0.20	.024	.025						
Antimony	0.0060	.001	.002						
Arsenic	0.050	.001	.002	-0.0010	<0.050	-0.0015	<0.050	-0.0011	<0.050
Barium	1.0	.004	.005	-0.00020	<1.0	-0.00020	<1.0	-0.00010	<1.0
Beryllium	0.0040	.0001	.001						
Cadmium	0.0050	.0001	.001	-0.00030	<0.0050	-0.00030	<0.0050	-0.00030	<0.0050
Calcium	1.0	.05	.1						
Chromium	0.010	.001	.001	-0.00020	<0.010	-0.00020	<0.010	-0.00020	<0.010
Cobalt	0.050	.001	.001						
Copper	0.025	.001	.002						
Iron	0.30	.023	.035						
Lead	0.050	.001	.001	-0.00090	<0.050	-0.0011	<0.050	-0.0012	<0.050
Magnesium	5.0	.05	.1						
Manganese	0.015	.001	.001						
Molybdenum	0.050	.001	.002						
Nickel	0.040	.001	.002						
Potassium	10	.05	.5						
Selenium	0.050	.002	.002	0.00070	<0.050	0.0	<0.050	0.0013	<0.050
Silver	0.010	.001	.001	0.0	<0.010	-0.00030	<0.010	-0.00010	<0.010
Sodium	10	.85	1.9						
Strontium	0.010	.001	.001						
Thallium	0.010	.0015	.0019						
Tin	0.050	.001	.001						
Titanium	0.010	.001	.002						
Vanadium	0.050	.001	.001						
Zinc	0.10	.001	.005						

Associated samples MP23163: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94615
Account: RCETXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23163
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:				07/09/12	
Metal	F94190-6R Original MS		Spikelot MPFLICP1 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic	0.0	1.9	2.0	99.6	80-120
Barium	0.017	2.1	2.0	104.2	80-120
Beryllium					
Cadmium	0.0	0.050	0.050	100.0	80-120
Calcium					
Chromium	0.0028	0.20	0.20	98.6	80-120
Cobalt					
Copper					
Iron					
Lead	0.0069	0.48	0.50	94.6	80-120
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	0.0	2.0	2.0	100.0	80-120
Silver	0.0	0.048	0.050	96.0	80-120
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP23163: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

Page 1

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94615
Account: RCETXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23163
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:				07/09/12					07/09/12	
Metal	F94190-6R Original MSD		Spikelot MPFLICP1 % Rec	MSD RPD	QC Limit	F94615-1 Original DUP		RPD	QC Limits
Aluminum									
Antimony									
Arsenic	0.0	2.0	2.0	100.0	5.1	20	0.0088	0.0076	14.6	0-20
Barium	0.017	2.1	2.0	104.2	0.0	20	0.10	0.094	6.2	0-20
Beryllium										
Cadmium	0.0	0.052	0.050	104.0	3.9	20	0.0	0.0	NC	0-20
Calcium										
Chromium	0.0028	0.21	0.20	103.6	4.9	20	0.013	0.011	16.7	0-20
Cobalt										
Copper										
Iron										
Lead	0.0069	0.50	0.50	98.4	4.1	20	0.0	0.0	NC	0-20
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	0.0	2.1	2.0	105.0	4.9	20	0.0082	0.0082	11.5	0-20
Silver	0.0	0.050	0.050	100.0	4.1	20	0.0	0.0	NC	0-20
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP23163: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

Page 2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23163
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date: 07/09/12 07/09/12

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits	ESP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	1.9	2.0	95.0	80-120	2.0	2.0	100.0	80-120
Barium	2.0	2.0	100.0	80-120	2.1	2.0	105.0	80-120
Beryllium								
Cadmium	0.050	0.050	100.0	80-120	0.051	0.050	102.0	80-120
Calcium								
Chromium	0.20	0.20	100.0	80-120	0.21	0.20	105.0	80-120
Cobalt								
Copper								
Iron								
Lead	0.46	0.50	92.0	80-120	0.47	0.50	94.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium	2.0	2.0	100.0	80-120	2.0	2.0	100.0	80-120
Silver	0.048	0.050	96.0	80-120	0.050	0.050	100.0	80-120
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP23163: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 1

9.1.3 9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23163
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date: 07/09/12

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	1.9	2.0	95.0	80-120
Barium	2.0	2.0	100.0	80-120
Beryllium				
Cadmium	0.049	0.050	98.0	80-120
Calcium				
Chromium	0.20	0.20	100.0	80-120
Cobalt				
Copper				
Iron				
Lead	0.45	0.50	99.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	1.9	2.0	95.0	80-120
Silver	0.047	0.050	94.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP23163: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

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9.1.3 9

SERIAL DILUTION RESULTS SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23163
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/09/12

Metal	F94198-6R Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	17.2	0.00	100.0(a)	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	2.80	0.00	100.0(a)	0-10
Cobalt				
Copper				
Iron				
Lead	6.90	0.00	100.0(a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP23163: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

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9.1.4 9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23164
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 07/09/12 07/09/12

Metal	RL	IDL	MDL	MB raw	MB final	MB raw	MB final
Mercury	0.0010	.00004	.00005	-0.000004840	0.0010	0.000038	0.0010

Associated samples MP23164: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Page 1

9.2.1 9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23164
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 07/09/12 07/09/12

Metal	F94615-2 Original	DUP	RPD	QC Limits	F94615-2 Original	MS	Spikelot MGFLMS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.029	0.030	96.7	80-120

Associated samples MP23164: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.2.2

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ACCUTEST

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23164
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 07/09/12 07/09/12

Metal	F94615-2 Original	MSD	Spikelot MGFLMS1	% Rec	MSD RPD	QC Limit	F94615-1 Original	DUP	RPD	QC Limits
Mercury	0.0	0.030	0.030	100.0	1.4	20	0.0	0.0	NC	0-20

Associated samples MP23164: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.2.2

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Page 2

ACCUTEST

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23164
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 07/09/12 07/09/12

Metal	BSP Result	Spikelot MGFLMS1	% Rec	QC Limits	BSP Result	Spikelot MGFLMS1	% Rec	QC Limits
Mercury	0.0030	0.0030	100.0	80-120	0.030	0.030	100.0	80-120

Associated samples MP23164: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.3

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Page 1

ACCUTEST

SERIAL DILUTION RESULTS SUMMARY

Login Number: F94615
Account: RCSTXH - Remedial Construction Services
Project: El Paso Phase II/2-3529; TX

QC Batch ID: MP23164
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: ug/l

Prep Date: 07/09/12

Metal	F94615-2 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP23164: F94615-1, F94615-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.4

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Page 1

ACCUTEST

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Automated Report

Southeast ACCUTEST LABORATORIES

07/19/12

Technical Report for

EL PASO CORPORATION

MWHKSW: El Dorado STF Geoprobe

Accutest Job Number: F94857

Sampling Date: 07/12/12

Report to:

MWH-Kansas

douglas.e.mick@mwhglobal.com

ATTN: Douglas Mick

Total number of pages in report: **39**

nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
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Sample Summary

EL PASO CORPORATION

MWHKSW: El Dorado STF Geoprobe

Job No: F94857

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F94857-1	07/12/12	12:00	MW	07/13/12	SO	Trip Blank Soil	TRIP BLANK (7/12/120
F94857-2	07/12/12	14:30	MW	07/13/12	SO	Soil	NW CELL
F94857-3	07/12/12	14:30	MW	07/13/12	SO	Soil	NW CELL-50
F94857-4	07/12/12	15:20	MW	07/13/12	SO	Soil	W CELL
F94857-4D	07/12/12	15:20	MW	07/13/12	SO	Soil Dup/MSD	W CELL
F94857-4S	07/12/12	15:20	MW	07/13/12	SO	Soil Matrix Spike	W CELL
F94857-5	07/12/12	16:00	MW	07/13/12	SO	Soil	SW CELL
F94857-6	07/12/12	16:20	MW	07/13/12	SO	Soil	NE CELL
F94857-7	07/12/12	16:40	MW	07/13/12	SO	Soil	E CELL
F94857-8	07/12/12	17:00	MW	07/13/12	SO	Soil	SE CELL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: F94857
Account: EL PASO CORPORATION
Project: MWHKSW: El Dorado STF Geoprobe
Collected: 07/12/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F94857-1	**TRIP BLANK (7/12/120**					
No hits reported in this sample.						
F94857-2	**NW CELL**					
TPH (C10-C28) [a]		9.43 J	9.6	3.9	mg/kg	SW846 8015C
Arsenic [b]		6.4	2.6		mg/kg	SW846 6010C
Barium [b]		242	51		mg/kg	SW846 6010C
Chromium [b]		22.7	2.6		mg/kg	SW846 6010C
Lead		16.1	1.0		mg/kg	SW846 6010C
F94857-3	**NW CELL-50**					
TPH (C10-C28) [a]		11.3	9.4	3.8	mg/kg	SW846 8015C
Arsenic [b]		5.9	2.3		mg/kg	SW846 6010C
Barium [b]		241	45		mg/kg	SW846 6010C
Chromium [b]		21.2	2.3		mg/kg	SW846 6010C
Lead		15.8	0.91		mg/kg	SW846 6010C
F94857-4	**W CELL**					
TPH (C10-C28) [a]		8.13 J	9.8	3.9	mg/kg	SW846 8015C
Arsenic [b]		6.1	2.7		mg/kg	SW846 6010C
Barium [b]		222	54		mg/kg	SW846 6010C
Chromium [b]		22.3	2.7		mg/kg	SW846 6010C
Lead		18.4	1.1		mg/kg	SW846 6010C
F94857-5	**SW CELL**					
TPH (C10-C28) [a]		6.00 J	10	4.1	mg/kg	SW846 8015C
Arsenic [b]		6.3	3.0		mg/kg	SW846 6010C
Barium [b]		115	61		mg/kg	SW846 6010C
Chromium [b]		20.6	3.0		mg/kg	SW846 6010C
Lead		17.2	1.2		mg/kg	SW846 6010C
F94857-6	**NE CELL**					
TPH (C10-C28) [a]		96.6	48	19	mg/kg	SW846 8015C
Arsenic [b]		6.6	2.1		mg/kg	SW846 6010C
Barium [b]		313	42		mg/kg	SW846 6010C
Chromium [b]		21.3	2.1		mg/kg	SW846 6010C
Lead		18.8	0.84		mg/kg	SW846 6010C

Summary of Hits

Job Number: F94857
Account: EL PASO CORPORATION
Project: MWHKSW: El Dorado STF Geoprobe
Collected: 07/12/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F94857-7	**E CELL**					
Arsenic [b]		5.9	2.2		mg/kg	SW846 6010C
Barium [b]		253	43		mg/kg	SW846 6010C
Chromium [b]		19.5	2.2		mg/kg	SW846 6010C
Lead		15.5	0.87		mg/kg	SW846 6010C
F94857-8	**SE CELL**					
TPH (C10-C28) [a]		228	48	19	mg/kg	SW846 8015C
Arsenic [b]		6.2	1.9		mg/kg	SW846 6010C
Barium [b]		138	37		mg/kg	SW846 6010C
Chromium [b]		18.9	1.9		mg/kg	SW846 6010C
Lead		91.8	0.74		mg/kg	SW846 6010C

(a) Petroleum hydrocarbon pattern extends beyond C28.
(b) Elevated reporting limit(s) due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: TRIP BLANK (7/12/120
Lab Sample ID: F94857-1
Matrix: SO - Trip Blank Soil
Method: SW846 8260B
Project: MWHKSW: El Dorado STF Geoprobe
Date Sampled: 07/12/12
Date Received: 07/13/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3991.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0050	0.0015	mg/kg	
108-90-7	Chlorobenzene	ND	0.0050	0.0010	mg/kg	
67-66-3	Chloroform	ND	0.0050	0.0012	mg/kg	
75-15-0	Carbon disulfide	ND	0.0050	0.0020	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0050	0.0011	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0050	0.0010	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0050	0.0010	mg/kg	
123-91-1	1,4-Dioxane	ND	0.20	0.056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0050	0.0010	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.025	0.0061	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0050	0.0020	mg/kg	
100-42-5	Styrene	ND	0.0050	0.0026	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0011	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0050	0.0010	mg/kg	
108-88-3	Toluene	ND	0.0050	0.0012	mg/kg	
79-01-6	Trichloroethylene	ND	0.0050	0.0012	mg/kg	
1330-20-7	Xylene (total)	ND	0.015	0.0032	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	104%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: TRIP BLANK (7/12/120
Lab Sample ID: F94857-1
Matrix: SO - Trip Blank Soil
Method: SW846 8015C
Project: MWHKSW: El Dorado STF Geoprobe
Date Sampled: 07/12/12
Date Received: 07/13/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069606.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	98%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	NW CELL		
Lab Sample ID:	F94857-2	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	86.8
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3992.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2							

	Initial Weight
Run #1	5.01 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0057	0.0017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0057	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0057	0.0014	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	0.0023	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0057	0.0013	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0057	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0057	0.0011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.23	0.065	mg/kg	
100-41-4	Ethylbenzene	ND	0.0057	0.0011	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.029	0.0070	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0057	0.0023	mg/kg	
100-42-5	Styrene	ND	0.0057	0.0030	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0057	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0057	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0057	0.0014	mg/kg	
79-01-6	Trichloroethylene	ND	0.0057	0.0014	mg/kg	
1330-20-7	Xylene (total)	ND	0.017	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	NW CELL		
Lab Sample ID:	F94857-2	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	86.8
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069607.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.27 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	98%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	NW CELL		
Lab Sample ID:	F94857-2	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	86.8
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42388.D	1	07/17/12	SJL	07/16/12	OP42651	GLL1617
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	9.43	9.6	3.9	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	NW CELL		
Lab Sample ID:	F94857-2	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	86.8
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.4	2.6	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	242	51	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 1.0	1.0	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	22.7	2.6	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	16.1	1.0	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.089	0.089	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 5.1	5.1	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 2.6	2.6	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch: MP23221
(5) Prep QC Batch: MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	NW CELL-50		
Lab Sample ID:	F94857-3	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	87.6
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3993.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2 [a]	H0076893.D	1	07/16/12	EP	n/a	n/a	VH2857

	Initial Weight
Run #1	5.19 g
Run #2	5.40 g

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0055	0.0016	mg/kg	
108-90-7	Chlorobenzene	ND	0.0055	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0055	0.0013	mg/kg	
75-15-0	Carbon disulfide	ND	0.0055	0.0022	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0055	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0055	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0055	0.0011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.22	0.062	mg/kg	
100-41-4	Ethylbenzene	ND	0.0055	0.0011	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.027	0.0067	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0055	0.0022	mg/kg	
100-42-5	Styrene	ND	0.0055	0.0029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0055	0.0012	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0055	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0055	0.0013	mg/kg	
79-01-6	Trichloroethylene	ND	0.0055	0.0013	mg/kg	
1330-20-7	Xylene (total)	ND	0.016	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%[a]	116%[a]	80-121%[a]
2037-26-5	Toluene-D8	113%[a]	129%[a]	71-130%[a]
460-00-4	4-Bromofluorobenzene	124%[a]	126%[a]	59-148%[a]
17060-07-0	1,2-Dichloroethane-D4	101%[a]	98%	77-123%

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3 7

Client Sample ID:	NW CELL-50		
Lab Sample ID:	F94857-3	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	87.6
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069608.D	1	07/14/12	AH	n/a	n/a	QQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.1	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	98%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	NW CELL-50		
Lab Sample ID:	F94857-3	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	87.6
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42389.D	1	07/17/12	SJL	07/16/12	OP42651	GLL1617
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	11.3	9.4	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3 3

Client Sample ID:	NW CELL-50		
Lab Sample ID:	F94857-3	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	87.6
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	5.9	2.3	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	241	45	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 0.91	0.91	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	21.2	2.3	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	15.8	0.91	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.091	0.091	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 4.5	4.5	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 2.3	2.3	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch: MP23221
(5) Prep QC Batch: MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

3.4 3

Client Sample ID:	W CELL		
Lab Sample ID:	F94857-4	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	85.4
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3994.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2 [a]	H0076894.D	1	07/16/12	EP	n/a	n/a	VH2857

	Initial Weight
Run #1	5.11 g
Run #2	5.35 g

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0057	0.0017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0057	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0057	0.0014	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	0.0023	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0057	0.0013	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0057	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0057	0.0011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.23	0.065	mg/kg	
100-41-4	Ethylbenzene	ND	0.0057	0.0011	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.029	0.0070	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0057	0.0023	mg/kg	
100-42-5	Styrene	ND	0.0057	0.0030	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0057	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0057	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0057	0.0014	mg/kg	
79-01-6	Trichloroethylene	ND	0.0057	0.0014	mg/kg	
1330-20-7	Xylene (total)	ND	0.017	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	119%	80-121%
2037-26-5	Toluene-D8	104%	142%	71-130%
460-00-4	4-Bromofluorobenzene	104%	158%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	99%	77-123%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.4 3

Client Sample ID:	W CELL		
Lab Sample ID:	F94857-4	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	85.4
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069609.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.78 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	99%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.4 3

Client Sample ID:	W CELL		
Lab Sample ID:	F94857-4	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	85.4
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42400 D	1	07/17/12	SJL	07/16/12	OP42651	GLL1618
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	8.13	9.8	3.9	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.4 3

Client Sample ID:	W CELL		
Lab Sample ID:	F94857-4	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	85.4
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.1	2.7	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	222	54	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 1.1	1.1	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	22.3	2.7	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	18.4	1.1	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.094	0.094	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 5.4	5.4	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 2.7	2.7	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch: MP23221
(5) Prep QC Batch: MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

3.5 3

Client Sample ID:	SW CELL		
Lab Sample ID:	F94857-5	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	81.4
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3995.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2							

	Initial Weight
Run #1	5.13 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0060	0.0018	mg/kg	
108-90-7	Chlorobenzene	ND	0.0060	0.0012	mg/kg	
67-66-3	Chloroform	ND	0.0060	0.0014	mg/kg	
75-15-0	Carbon disulfide	ND	0.0060	0.0024	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0060	0.0013	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0060	0.0012	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0060	0.0012	mg/kg	
123-91-1	1,4-Dioxane	ND	0.24	0.068	mg/kg	
100-41-4	Ethylbenzene	ND	0.0060	0.0012	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.030	0.0073	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0060	0.0024	mg/kg	
100-42-5	Styrene	ND	0.0060	0.0031	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0060	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0060	0.0012	mg/kg	
108-88-3	Toluene	ND	0.0060	0.0014	mg/kg	
79-01-6	Trichloroethylene	ND	0.0060	0.0014	mg/kg	
1330-20-7	Xylene (total)	ND	0.018	0.0038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	102%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.5

Client Sample ID:	SW CELL		
Lab Sample ID:	F94857-5	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	81.4
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069610.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.35 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		56-136%
98-08-8	aaa-Trifluorotoluene	100%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.5 3

Client Sample ID:	SW CELL		
Lab Sample ID:	F94857-5	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	81.4
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42390.D	1	07/17/12	SJL	07/16/12	OP42651	GLL1617
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	6.00	10	4.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.5 3

Client Sample ID:	SW CELL		
Lab Sample ID:	F94857-5	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	81.4
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.3	3.0	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	115	61	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 1.2	1.2	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	20.6	3.0	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	17.2	1.2	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.092	0.092	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 6.1	6.1	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 3.0	3.0	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch. MP23221
(5) Prep QC Batch. MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

3.6 3

Client Sample ID:	NE CELL		
Lab Sample ID:	F94857-6	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	87.0
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3996.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2							

	Initial Weight
Run #1	5.27 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0055	0.0016	mg/kg	
108-90-7	Chlorobenzene	ND	0.0055	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0055	0.0013	mg/kg	
75-15-0	Carbon disulfide	ND	0.0055	0.0022	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0055	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0055	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0055	0.0011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.22	0.062	mg/kg	
100-41-4	Ethylbenzene	ND	0.0055	0.0011	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.027	0.0067	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0055	0.0022	mg/kg	
100-42-5	Styrene	ND	0.0055	0.0028	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0055	0.0012	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0055	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0055	0.0013	mg/kg	
79-01-6	Trichloroethylene	ND	0.0055	0.0013	mg/kg	
1330-20-7	Xylene (total)	ND	0.016	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	101%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.6 3

Client Sample ID:	NE CELL		
Lab Sample ID:	F94857-6	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	87.0
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069611.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.92 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-ORO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		56-136%
98-08-8	aaa-Trifluorotoluene	98%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.6 3

Client Sample ID:	NE CELL		
Lab Sample ID:	F94857-6	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	87.0
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42391.D	5	07/17/12	SJL	07/16/12	OP42651	GLL1617
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	96.6	48	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.6 3

Client Sample ID:	NE CELL		
Lab Sample ID:	F94857-6	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	87.0
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.6	2.1	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	313	42	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 0.84	0.84	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	21.3	2.1	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	18.8	0.84	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.093	0.093	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 4.2	4.2	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 2.1	2.1	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch: MP23221
(5) Prep QC Batch: MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

3.7 3

Client Sample ID:	E CELL		
Lab Sample ID:	F94857-7	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	88.5
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3997.D	1	07/17/12	EP	n/a	n/a	VY174
Run #2							

	Initial Weight
Run #1	8.93 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0032	0.00095	mg/kg	
108-90-7	Chlorobenzene	ND	0.0032	0.00063	mg/kg	
67-66-3	Chloroform	ND	0.0032	0.00076	mg/kg	
75-15-0	Carbon disulfide	ND	0.0032	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0032	0.00070	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0032	0.00063	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0032	0.00063	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	0.036	mg/kg	
100-41-4	Ethylbenzene	ND	0.0032	0.00063	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.016	0.0039	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0032	0.0013	mg/kg	
100-42-5	Styrene	ND	0.0032	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0032	0.00070	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0032	0.00063	mg/kg	
108-88-3	Toluene	ND	0.0032	0.00076	mg/kg	
79-01-6	Trichloroethylene	ND	0.0032	0.00076	mg/kg	
1330-20-7	Xylene (total)	ND	0.0095	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	101%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.7 3

Client Sample ID:	E CELL		
Lab Sample ID:	F94857-7	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	88 5
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069612.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.80 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.3	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	99%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.7 3

Client Sample ID:	E CELL		
Lab Sample ID:	F94857-7	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	88.5
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42392.D	1	07/17/12	SJL	07/16/12	OP42651	GLL1617
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1 0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.3	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.7 3

Client Sample ID:	E CELL		
Lab Sample ID:	F94857-7	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	88.5
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	5.9	2.2	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	253	43	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 0.87	0 87	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	19.5	2.2	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	15.5	0.87	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.086	0.086	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 4.3	4.3	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 2.2	2.2	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch: MP23221
(5) Prep QC Batch: MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SE CELL		
Lab Sample ID:	F94857-8	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8260B	Percent Solids:	87.2
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y3998 D	1	07/17/12	EP	n/a	n/a	VY174
Run #2							

	Initial Weight
Run #1	5.45 g
Run #2	

VOA SKINR List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0053	0.0016	mg/kg	
108-90-7	Chlorobenzene	ND	0.0053	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0053	0.0013	mg/kg	
75-15-0	Carbon disulfide	ND	0.0053	0.0021	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0053	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0053	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0053	0.0011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.21	0.059	mg/kg	
100-41-4	Ethylbenzene	ND	0.0053	0.0011	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.026	0.0064	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0053	0.0021	mg/kg	
100-42-5	Styrene	ND	0.0053	0.0027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0053	0.0012	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0053	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0053	0.0013	mg/kg	
79-01-6	Trichloroethylene	ND	0.0053	0.0013	mg/kg	
1330-20-7	Xylene (total)	ND	0.016	0.0034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SE CELL		
Lab Sample ID:	F94857-8	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C	Percent Solids:	87.2
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR069613.D	1	07/14/12	AH	n/a	n/a	GQR3017
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		56-136%
98-08-8	aaa-Trifluorotoluene	98%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SE CELL		
Lab Sample ID:	F94857-8	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
Method:	SW846 8015C SW846 3550C	Percent Solids:	87.2
Project:	MWHKSW: El Dorado STF Geoprobe		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL42393.D	5	07/17/12	SJL	07/16/12	OP42651	GLL1617
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	228	48	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		49-108%

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SE CELL		
Lab Sample ID:	F94857-8	Date Sampled:	07/12/12
Matrix:	SO - Soil	Date Received:	07/13/12
		Percent Solids:	87.2
Project:	MWHKSW: El Dorado STF Geoprobe		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.2	1.9	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Barium [a]	138	37	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	< 0.74	0.74	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium [a]	18.9	1.9	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	91.8	0.74	mg/kg	1	07/16/12	07/17/12	LM	SW846 6010C [1]	SW846 3050B [4]
Mercury	< 0.088	0.088	mg/kg	1	07/18/12	07/18/12	JL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 3.7	3.7	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 1.9	1.9	mg/kg	5	07/16/12	07/18/12	LM	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA9961
(2) Instrument QC Batch: MA9964
(3) Instrument QC Batch: MA9966
(4) Prep QC Batch: MP23221
(5) Prep QC Batch: MP23238

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (KS)
- Chain of Custody

ACCUTEST LABORATORIES

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB #: F94857 PAGE 1 OF 1

Accutest Quote #: NJ17/2012-1035 SKIF#

Company Name: MWH Americas Inc.
Address: 3200 E 34th St N Ste 1104
City: Wichita State: KS Zip: 67226
Project Contact: Dan Hak
Phone: (316) 634-6334
Sampler(s) Name(s) (Printed): [illegible]

Project Name: El Dorado STF Barn Sampling
City: El Dorado State: KS

Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles			8260B VOCs	TPH-GRO	TPH-DRO	[illegible]	8270 SVOCs
1	Trip Blank (7/12/12)	7/12/12	1730	—	S	6		6	3	3			
2	NW Cell	7/12/12	1430	MW	S	9	3	6	3	3	1	1	1
3	NW Cell-50	7/12/12	1430	MW	S	9	3	6	3	3	1	1	1
4	W Cell	7/12/12	1520	MW	S	9	3	6	3	3	1	1	1
	W Cell-MS	7/12/12	1520	MW	S	9	3	6	3	3	1	1	1
	W Cell-MSD	7/12/12	1520	MW	S	9	3	6	3	3	1	1	1
5	SW Cell	7/12/12	1600	MW	S	9	3	6	3	3	1	1	1
6	NE Cell	7/12/12	1630	MW	S	9	3	6	3	3	1	1	1
7	E Cell	7/12/12	1440	MW	S	9	3	6	3	3	1	1	1
8	SE Cell	7/12/12	1700	MW	S	9	3	6	3	3	1	1	1

Turnaround Time (Business Days):
- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [x] 3 Day EMERGENCY — DH
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information:
- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks: Please hold 1 8oz Jar (SVOCs) for analysis only if TPH-DRO is present in sample.

Relinquished by Sampler: 1 [signature] Date Time: 7/12/12 [illegible] Received By: 1 Fed Ex Office
Relinquished by: 2 Fed Ex Date Time: 7/13/12 Received By: 2 J Cooper (ALSE) 09:30

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 3.8 4.0

F94857: Chain of Custody
Page 1 of 2

4.1

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F94857 CLIENT: MWH AMERICAS PROJECT: EL DORADO
DATE/TIME RECEIVED: 7-13-12 09:30 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 8768 6974 0717

COOLER INFORMATION
- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION
- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [x] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION
NUMBER OF ENCORES? 25-GRAM ____ 5-GRAM ____
NUMBER OF 5035 FIELD KITS? ____
NUMBER OF LAB FILTERED METALS? ____

TEMPERATURE INFORMATION
- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 3.4 3.6
- [ ] CORRECTED TEMPS: 3.8 4.0

SAMPLE INFORMATION
- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [x] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: RECEIVED 11 CONTAINERS PER SAMPLE COC READS 9 4 DI H2O 4 MEOH and 3 SOILS JARS

TECHNICIAN SIGNATURE/DATE: JC 7-13-12 REVIEWER SIGNATURE/DATE: [signature] 07-13-12

NF 12/10 receipt confirmation 122910.xls

F94857: Chain of Custody
Page 2 of 2

APPENDIX H
DAILY FIELD REPORTS

MWH

APPENDIX H-1

MWH DAILY REPORTS

MWH

MWH WEEKLY RESIDENT ENGINEERS REPORT

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	06/20/11 Monday	06/21/11 Tuesday	06/22/11 Wednesday	06/23/11 Thursday	06/24/11 Friday	06/25/11 Saturday	06/26/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Pumping West Oxidation to Equalization Basin/Aeration Ponds---------->						
SE POND Sediment Removal-]							
		Welding Together Aeration 8" Piping					
			Pester Access Road Culverts installed - Finished (Wed)				
				Pond Install Rails/Aeration/Curtain & Anchors (All Thursl)			
					Outfall 001 Piping Installed - HCS#3 to River		
	RSC/Kirk ----]		RSC/Kirk Excavation - MPA Landfarm Prep---------->				
		[Thunderstorm / Wet]					
SHIFT / HOURS WORKED							
	0700 to 1830	0700-1700	0700 to 1700	0700 to 1700	0700 - 1645	None	None
WEATHER							
	Ply Cldy, S Wind	M. Sunny, S Wind	Sunny	Clear	Sunny, S Wind 5-	Sunny, Windy	Sunny, S Wind 10-
TEMPERATURES							
	High 90's to 100's	Cooler 70-80's	High 90's	High 90's	High Mid 90's	90's	90-100
PRECIPITATION							
	None, Looming!	0.6" Prior Evening	None	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON
	Carlson Baughman

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnott	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Doug Kirk	Kirk Excavation	Nicolas Gonzalez	"
Jose Terrozas	"	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - Tailgate Meetings for Kirk Excavation / See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday Finished SE Pond Sediment Removal (only small amount left), Surveyor's surveyed SE Pond top of soil, Primary Pond top of sediment.
Tuesday - RECON Welding Aeration Piping, Pumping Water from Mon. Night Storms, Delivers Concrete Blocks to Site.
Wed - Installed Pester Access road culverts, two large at MPA Channel, two small on terraces, covered w/ Gravel / Rip Rap Sides.
Thursday - Installed Cinder Blocks/Rails/Aeration Piping (Drilled 8" HDPE) into SE Pond, Installed Floating Curtain, except Anchoring.
Friday - Removed Inlets/Outlets in SE Pond, Installed New Outfall 001A 4" HDPE Piping from HCS#3 to River.
- Removed and re-installed Chain Link Fence for access to River, Backfilling over pipe included steel marking tape.
RSC/Kirk Worked on Monday, Tues (checked in found wet site), Wed-Fri Picked Concrete from MPA

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH WEEKLY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:
OWS needs due to continuing product recovery from GW Sump

DESIGN RESOLUTIONS:
MWH is working to determine best solution. Currently looking at placing OWS in ground above Cascade Aerator.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Install piping from HCS #3 to SE Pond, Ready for HCS #3 to Finish New Outfall 001
Will install new 6" PVC piping to bring water from Drop Inlet (after WEMCO) to SE Pond (new Pipeline Connection)
Will begin to Install 4" HDPE from MPA Basin GW sump to RR Crossing, from RR Crossing to new Valve Box location.

Signature: _____ Date: 6/27/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/20/2011 Time: 17:22

SE Pond - All Sediment has been removed to West Oxidation Pond

Date: 6/20/2011 Time: 12:53

Looking NE at West Oxidation Pond - Sediment Pile near excavator - is Sediment from SE Pond (finished).

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/22/2011 Time: 13:39

Setting Large Culverts for Pester Access Road

Date: 6/15/2011 Time: 13:39

Metal Banding of HDPE piping to railroad rail placed on top of concrete blocks
Open end of Piping will lead up the bank and to existing blower piping.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/23/2011 Time: 14:24

Floating Baffle Curtain Installed South of Aeration Piping. Worker's banding Aeration piping to Rail and Blocks.

Date: 6/24/2011 Time: 15:11

Close-up of Aeration Piping Banded to Railroad Rail and Concrete Block.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/24/2011 Time: 15:13

Trenching for Outfall 001A - 4" pipeline from HCS#3 to West Branch Walnut River (water in picture).

Date: 6/24/2011 Time: 16:47

New Outfall 001 - 4" HDPE Piping Installed to River, Backfilled w/ marking tape, and Fencing Replaced / Taped Off.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	06/27/11	06/28/11	06/29/11	06/30/11	07/01/11	07/02/11	07/03/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

Pumping West Oxidation to Aeration Bain----------->
Outfall 001X1 Finalize to River-]
Excavation West of RR Tracks for new 4" HDPE from MPA Basin GW Sump to RR Crossing
Cont'd Excavation and Fusing of 4" HDPE Piping
East Side 4" HDPE Line Excavation & Connection
Moving 4" HDPE, Secure for Rotation
RSC/Kirk Excavation - MPA Landfarm Prep---------->
NO SIGNIFICANT PRECIP

SHIFT / HOURS WORKED	0700 to 1730	0700-1700	0700 to 1830	0700 to 1800	0700 - 1200	None	None
WEATHER	Windy	M. Sunny, S Wind	Sunny	Hot Humid	Sunny	Sunny, Windy	Sunny, S Wind 10-
TEMPERATURES	90's	80's-90's	High 90's	High 103	High Mid 90's	90's	90-100
PRECIPITATION	None	None	None	None	None	Trace-0.10?	Trace-0.10?

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON
	Carlson Baughman

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordameyer	"	Oscar Gonzalez	"
Doug Kirk	Kirk Excavation	Nicolas Gonzalez	"
Jose Terrozas	"	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - Tailgate Meetings for Kirk Excavation / See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Trenching to SE Pond from HCS #3 for new outfall 001X1 - cutting across Berm
Tuesday - Excavating for new 4" pipeline west of tracks/east of MPA Basin, from railroad crossing to groundwater sump.
Wednesday - Excavation Continues for 4" HDPE Water line from MPA Basin Sumps to RR Track crossing (East of MPA Basin), Fusing Pipe.
Thursday - Excavation shifts to east side of RR looking for 4" water Line under RR Tracks (inside ~12" Steel Casing Conduit).
Friday - 1/2 day, Moved Piping to west side of tracks, secured site for rotation.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:
OWS needs due to continuing product recovery from GW Sump

DESIGN RESOLUTIONS:
MWH is working to determine best solution. Currently looking at placing OWS in ground above Cascade Aerator.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Continue Pipeline Installations on both East/West Sides of RR Track Crossing - New 4" GW Line - MPA Basin GW Sump to Treatment System.
Will install new 6" PVC piping to bring water from Drop Inlet (after WEMCO) to SE Pond (new Pipeline Connection)
ALSO new 6" HDPE from Metals Precip Basin (API/OWS) to Stage 1 Wetlands.
Pressure Testing of Installed Pipelines, Prep for Install of HCS#3
May begin removal of Sediment from Primary (NW) Pond to West Oxidation.

Signature: Stuart B. Klaus

Date: 7/7/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/27/2011 Time: 13:04

Excavation through SE Pond Berm for new Outfall 001X1, HCS#3 will be located between two trenches.

Date: 6/28/2011 Time: 17:47

New Outfall Line installed into SE Pond, compacted clay soils surrounding piping.
Note: Final Positon of line will be pulled back to toe of slope, and rope attached to raise/lower outfall elevation.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/29/2011 Time: 13:44

Excavation for New 4" HDPE Groundwater Line from MPA GW Sump to RR Crossing.

Date: 6/15/2011 Time: 13:39

Cutting away 12" steel outer casing the surrounded the existing 4" HDPE Line, Hot Work Permitted.
Note: What is not evident in Photo is stepped slopes in foreground, and graded slope to torch bottles.
ALSO for Safety's Sake - a 5 Gas Air Monitor, 3 - Fire Extingushers, water bucket, and proper PPE!

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 6/16/2011 Time: 16:26

Fusion of 4" HDPE 90 Deg Elbow at East Side of RR Tracks. Pipeline will continue N to Cascade Aerator.

Date: 6/17/2011 Time: 21:16

Two of several metal scrap piles that RSC/Kirk Excavating removed from the site this week.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	07/04/11 Monday	07/05/11 Tuesday	07/06/11 Wednesday	07/07/11 Thursday	07/08/11 Friday	07/09/11 Saturday	07/10/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
				Draining NE Ponds to Outfall 001 (Lowering Levels)---------->			
	4th of July and ROTATION ---------->						
			Sediment Removal from Primary (NW Pond)				
				East Side 4" HDPE Line Excavation & Connection			
	NO SIGNIFICANT PRECIP		Lightning				
SHIFT / HOURS WORKED							
	4th - None	Rotation 5th	0700 to 1830	0700 to 1800	0700 - 1730	None	None
WEATHER							
	Windy	M. Sunny, S Wind	Sunny	Cloudy	Sunny	Sunny, Light wind	Sunny, S Wind 5-
TEMPERATURES							
	90's	80's-90's	High 90's	90	High 90's	100's	111 Record!
PRECIPITATION							
	None	None	None	Trace w/ Lightning	None	0	0

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON
	Carlson Baughman

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Doug Kirk	Kirk Excavation	Nicolas Gonzalez	"
Jose Terrozas	"	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:

Daily Meetings at 7:00 - Tailgate Meetings for Kirk Excavation / See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:

Monday - Independence Day (July 4th) Holiday
Tuesday - Extended Rotation Day for RECON - NO Site work. Three day work week - no Saturday Work needed!
Wednesday - Locate 4" HDPE line from Seep IT trench to API/OWS (near Decon Pad), Begin Sediment Removal from NW (Primary) Pond.
Thursday - Continued and finished removal of sediment from NW (primary) Pond. Finish placing 4" HDPE on west side of RR Tracks.
Friday - Continue to prepare 4" HDPE piping for east side of RR tracks. Demo of structures north of Primary Pond, and Pump House.

MEETINGS

MEETINGS:

NO Monday 9:30 AM CF Call due to Holiday.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

OWS needs due to continuing product recovery from GW Sump

DESIGN RESOLUTIONS:

MWH is working to determine best solution. Currently looking at placing OWS in ground above Cascade Aerator.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Continue Pipeline Installations on East Sides of RR Track Crossing - New 4" GW Line - MPA Basin GW Sump to Treatment System.

Will install new 6" PVC piping to bring water from Drop Inlet (after WEMCO) to SE Pond (new Pipeline Connection)

Pressure Testing of Installed Pipelines, Prep for install of HCS#3

Connection of new aeration piping 8" HDPE to existing 8" Steel pipeline from Aeration Blower Building.

Signature: Stuart B. Klaus

Date: 7/12/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/6/2011 Time: 16:56

Looking South at Fusing of 4" HPDE Pipeline. End of Steel Casing is at the west side of the RR Crossing.

Date: 7/6/2011 Time: 17:47

Intial Removal of Sludge from NW Pond (Primary Pond)

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/7/2011 Time: 16:00

Continued Excavation of NW Pond (Primary Pond), Most of sludge is pushed to excavator.

Date: 7/7/2011 Time: 17:00

Finishing sludge removal from NW (Primary) Pond, dozer pushing to excavator.
Note: Sludge is present in a shallow trench like adjacent to southern berm in this pond

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/8/2011 Time: 7:50

Groundwater seeps that have filled low areas overnight in NW Pond (Primary Pond) after sediment removal.

Date: 7/8/2011 Time: 14:00

Demolition of above grade features north of Primary Pond

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	07/11/11 Monday	07/12/11 Tuesday	07/13/11 Wednesday	07/14/11 Thursday	07/15/11 Friday	07/16/11 Saturday	07/17/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Excavation for New 4" HDPE from MPA GW Basin to Cascade Aerator						
		Tested West Side 4" HDPE new GW Pipeline/ PASSED					
			Tested East Side 4" HDPE new GW Pipeline/ PASSED				
				Backfilling Trenches over Piplines that were tested.			
				Moved Temp OWS from Wichita, Cleaned, and Install Piping to OWS.			
	Lowering and Pumping NE Pond (Polishing Pond/Aeration Ponds) to Outfall 001A1 - Lowering WL's in Treatment Ponds.						
	NO SIGNIFICANT PRECIP						
SHIFT / HOURS WORKED							
	0700 to 1730	0700-1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	HOT	M. Sunny	Sunny	Hot Humid	Sunny	Sunny, Windy	Sunny, S Wind
TEMPERATURES							
	105	101	High 90's	98	105	100's	100's
PRECIPITATION							
	None	None	None	None	None	Trace-0.10?	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON
	Carlson Baughman

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Doug Kirk	Kirk Excavation	Nicolas Gonzalez	"
Jose Terrozas	"	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Trenching for 4" HDPE line on East Side of Tracks. Install Piping in West Side Trench, Prep to Pressure Testing.
Tuesday - Pressure Test of 4" HDPE Pipeline on West Side of tracks, Test Passed.
Wednesday - Pressure Test of 4" HDPE Pipeline on East side of tracks, Test Passed.
Thursday - Backfilling of Pipeline Trenches, Moving Temporary OWS from Wichita to El Dorado.
Friday - Cleaned out OWS, Installed OWS and Pipeline (4" Temp PVC) to OWS.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:
OWS needs due to continuing product recovery from GW Sump

DESIGN RESOLUTIONS:
MWH is working to determine best solution. Currently looking at placing OWS in ground above Cascade Aerator.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Will now be able to switch flow from API/OWS to new Temp OWS - allowing cleanout of API anc conversion to Metals Precip Basin.
Also Ready to install new 6" PVC piping to SE Pond (new Pipeline Connection) and new 8" HDPE for Aeration and Water Treatment in SE Pond.
Continue to Dewater NE Ponds, Will soon switch flow to SE Ponds and Dewater and clean-out.

Signature: _____ Date: 7/17/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/11/2011 Time: 13:04

Trenching south of Decon Pad for new 4" HDPE Pipeline to Seep IT existing 3" HDPE Pipeline.

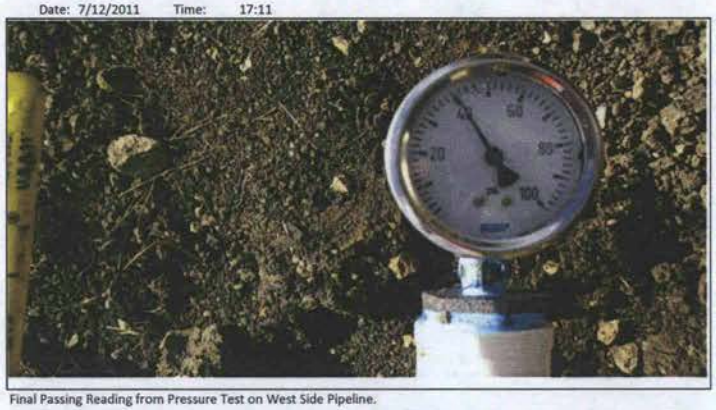
Date: 7/12/2011 Time: 10:30

Installing Pressure Test Tree onto new 4" HDPE Pipeline on West Side of RR Tracks for Pressure Testing.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

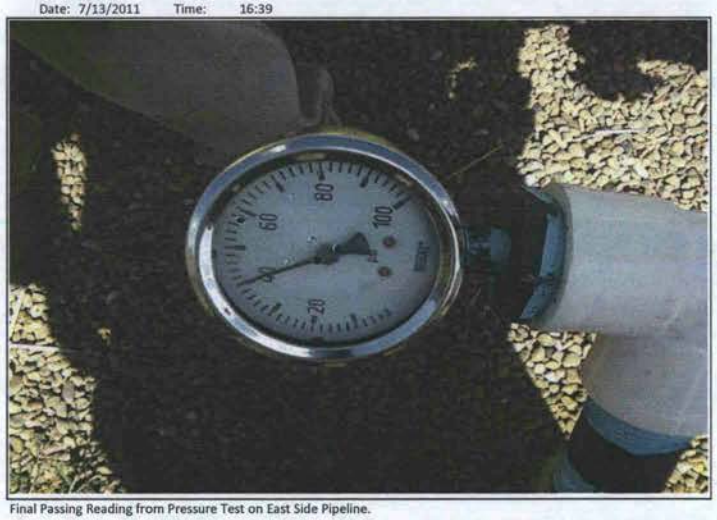
MWH

Date: 7/12/2011 Time: 17:11



Final Passing Reading from Pressure Test on West Side Pipeline.

Date: 7/13/2011 Time: 16:39



Final Passing Reading from Pressure Test on East Side Pipeline.

Photolog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/14/2011 Time: 16:26

Bottom of NW Pond (Primary Pond) after filling low seep areas and grading the bottom level.

Date: 7/15/2011 Time: 13:30

Placing sand for leveling pad for temp OWS - adjacent Skim Tank / WEMCO.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	07/18/11 Monday	07/19/11 Tuesday	07/20/11 Wednesday	07/21/11 Thursday	07/22/11 Friday	07/23/11 Saturday	07/24/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Finishing Connections to Existing Pipelines (Seep IT and Basin IT connections)						
		Bypass of API/OWS Complete Pumping Seep IT through New 4" HDPE PL, Temp OWS to Equalization Basin					
			Added MPA Basin IT to Temp OWS and Equalization Basin				
				Set HCS #3 w/ Crane, attached piping, backfilling			
					Top Soil Removal, Electric Panel struck by Dozer.		
	Lowering and Pumping NE Pond (Polishing Pond/Aeration Ponds) to Outfall 001A1 - Lowering WL's in Treatment Ponds.=>						
	NO SIGNIFICANT PRECIP						
SHIFT / HOURS WORKED							
	0700 to 1800	0700-1800	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	HOT	Hot Sunny	Sunny	Hot Humid	Sunny	Sunny, Windy	Sunny
TEMPERATURES							
	105	105	100s	106	107	100's	100's
PRECIPITATION							
	None	None	None	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Finishing Connect of 4" HDPE line to MPA Basin PL's and Seep IT 3" HDPE PL. Continue to lower WL in NE Ponds, pumping to Outfall.
Tuesday - Finished 4" to 3" fused HDPE connection. Fused 8" blower line from Aeration Piping to Steel Pipe Connection Point, Found 10" Steel.
Wednesday - Both trench PL in use Basin IT (and Channel IT) and Seep IT flowing through the new 4" HDPE PL and Temp OWS.
Thursday - Set HCS#3 - connected 4" HDPE - backfilled. Wichita Concrete Pipe on-site Installed Weir Gates, Valves in HCS#3.
Friday - Backfilling around HCS#3, Dozer backed into Seep IT Sump #3 control panel. Cut through berm (Polishing Pond and Aeration Ponds)

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Also Ready to install new 6" PVC piping to SE Pond (new Pipeline Connection) and new 8" HDPE for Aeration and Water Treatment in SE Pond.

Continue to Dewater NE Ponds, Will soon switch flow to SE Ponds and Dewater and clean-out.

Will soon install new adapter from 8" HDPE to 10" Steel aeration pipeline to allow aeration of water (once diverted) in SE Pond.

Install Oil Skiming Booms in SE Pond.

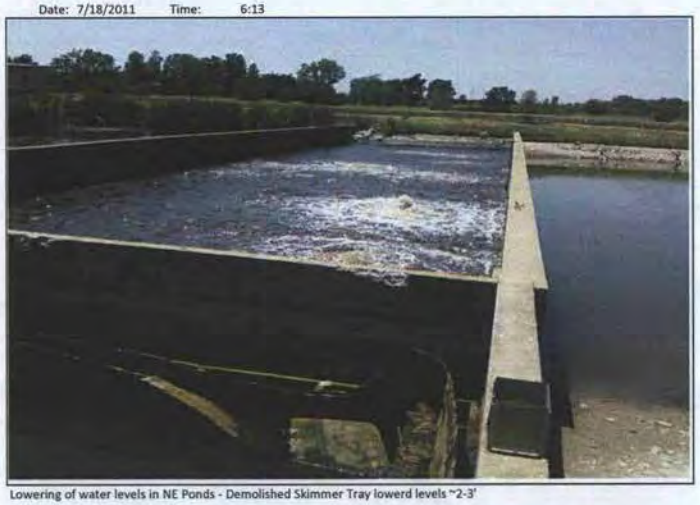
Signature: _____ **Date:** 7/24/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/18/2011 Time: 6:13



Lowering of water levels in NE Ponds - Demolished Skimmer Tray lowerd levels ~2-3'

Date: 7/19/2011 Time: 17:58

Aeration Pipeline dropping into SE Pond to previously placed drilled and weighted aeration diffuser piping.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/19/2011 Time: 17:36

Primary Disconnect for Aeration Blower Building - filled with bird or packrat nest & dead snakes!
Note: Observe snake head at very bottom of photo!

Date: 7/20/2011 Time: 15:07

Pipeline Connections by MPA Basin - from new 4" HDPE to GW and SW Sumps.
Note: Stub up connections are for future sand or carbon filtering - if required.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/21/2011 Time: 16:26

HCS #3 arrival on-site. See second photolog for details on HCS#3 installation.

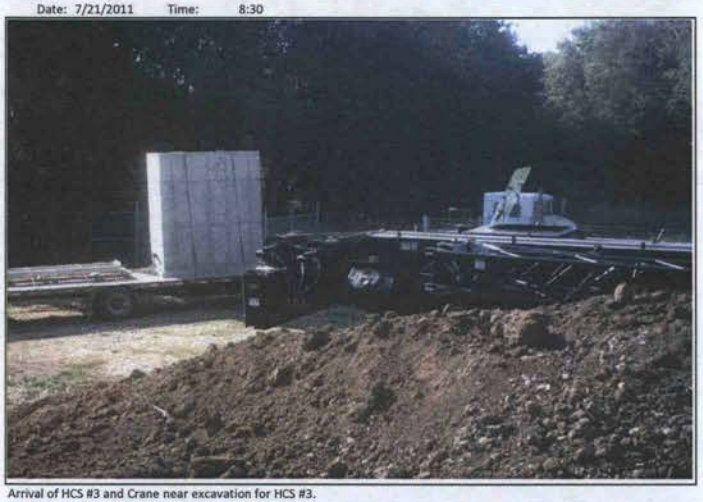
Date: 7/15/2011 Time: 13:30

Dozer and Electrical Panel that was backed into. Incident report was filed and recorded.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/21/2011 Time: 8:30



Arrival of HCS #3 and Crane near excavation for HCS #3.

Date: 7/21/2011 Time: 8:30

Intial Lift-off of HCS #3 by Belger Crane from Wichita Concrete Pipe Truck.

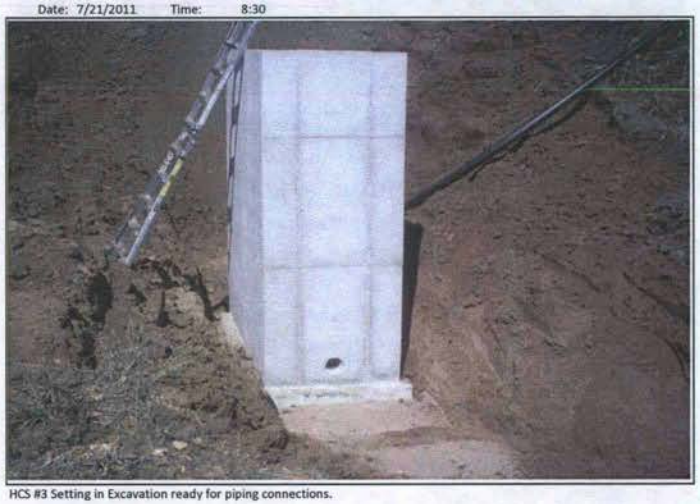
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/21/2011 Time: 8:30

Lowering HCS #3 into the excavation - onto the prepared leveled and graded RCC fines pad.

Date: 7/21/2011 Time: 8:30



HCS #3 Setting in Excavation ready for piping connections.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/21/2011 Time: 8:30

Lifting Weir Gate to Install in HCS #3

Date: 7/21/2011 Time: 8:30

Installing Valves into HCS #3
Note: Confined Space Entry permits and monitoring was in effect during the installation.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	07/25/11 Monday	07/26/11 Tuesday	07/27/11 Wednesday	07/28/11 Thursday	07/29/11 Friday	07/30/11 Saturday	07/31/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	4" PVC Backwash Line Install						
		Aeration Line Done, Start 6" PVC to SE Pond.					
			Finish 6" to SE Pond, Start Filling SE Pond from Aeration Basin(s).				
				Operating System to SE Pond w/ New Aeration System.			
					Water Pumping Continues RECON Rotation------->		
	Seep IT/Basin IT to NE Ponds THEN NO SIGNIFICANT PRECIP		Fill SE Pond	Operating System to SE Pond w/ New Aeration System. Non-Discharge.			
SHIFT / HOURS WORKED							
	0700 to 1730	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Hot, Ptly Cldy	Hot, Ptly Cldy	Sunny	Hot Humid	Sunny	Sunny, Windy	Sunny
TEMPERATURES							
	98	103	100s	106	107	100's	100's
PRECIPITATION							
	None	None	None	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Trench and Install a 4" PVC Backwash Line connection to existing 4" PVC Line to existing 4" PVC PL to MPA Basin.
Tuesday - Final Aeration PL, Start Trenching 6" Water Line, Began to pump into SE Pond, from NE Pond (Aeration Basin #2 and #3) w/ pumps.
Wednesday - Both trench PL in use Basin IT (and Channel IT) and Seep IT flowing through the new 4" HDPE PL and Temp OWS.
Thursday - Operating System Basin IT and Seep IT through new 4" HDPE to Temp OWS to SE Pond w/ New Aeration Piping operational.
Friday - RECON on rotation MWH running Pumps dewatering NE Ponds.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

After Rotation Pump Down NE Ponds Final and then began Sludge Removal, Soil Removal, and Wetlands Conversion.

Signature: _____ **Date:** 7/31/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

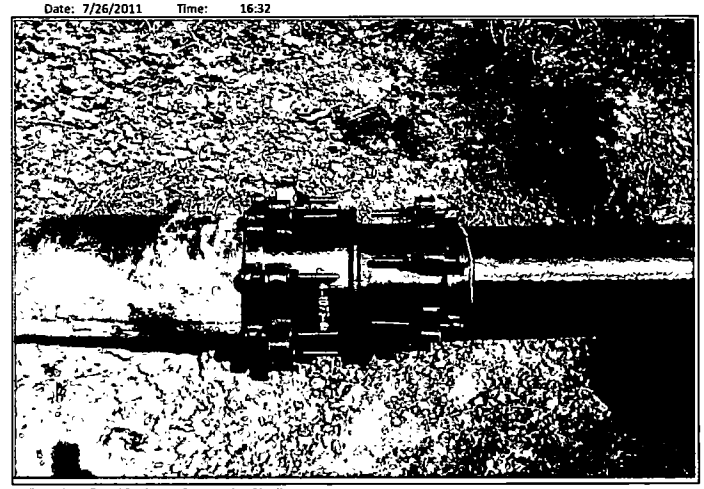
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/25/2011 Time: 16:32

Installing new 4" PVC Backwash Line near north end of MPA Basin.

Date: 7/26/2011 Time: 16:32



10" Steel to 8" HDPE Adapter for Aeration Pipeline

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/27/2011 Time: 14:50

Primary Disconnect for Aeration Blower Building - filled with bird or packrat nest & dead snakes!

Date: 7/27/2011 Time: 13:47

Filling SE Pond up to the middle of the Aeration Piping in the Pond.

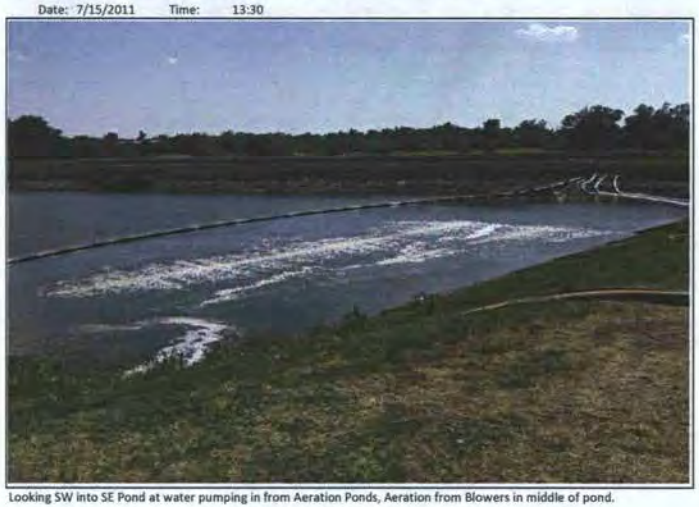
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 7/28/2011 Time: 16:24

Water running into SE Pond from Temp OWS through newly installed 6" PVC pipeline.

Date: 7/15/2011 Time: 13:30



Looking SW into SE Pond at water pumping in from Aeration Ponds, Aeration from Blowers in middle of pond.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	08/01/11 Monday	08/02/11 Tuesday	08/03/11 Wednesday	08/04/11 Thursday	08/05/11 Friday	08/06/11 Saturday	08/07/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Pre-survey of Polishing Pond.						
		Removing Rip Rap Berm from Polishing Pond to Primary Pond Fill.					
				Product Removal API/OWS.			
				Pre-survey of Aeration Ponds / Equalization Basin.			
					Circulation of Water in SE Pond w/ 6" Pump.		
					Begin Sediment Removal Polishing Pond.		
					Begin Sediment Removal API/OWS Cleaning.		
	Pumping of Aeration Ponds to SE Pond and then West Oxidation Pond.				Final Pump-out!		
	NO SIGNIFICANT PRECIP			0.7" of Rain!	0.1" of Rain!		
SHIFT / HOURS WORKED							
	0800 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Hot	Hot, Clear	Sunny	Hot Humid	Sunny	Sunny, Windy	Sunny
TEMPERATURES							
	100's	105	100's	Near 100	107	100's	100's
PRECIPITATION							
	None	None	None	0.7	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Pumping from Aeration Basin to SE Pond to dewater ponds. Survey (pre-sediment removal) of Polishing Pond.
Tuesday - Removing and placing RIP RAP berm materials into the Primary Pond. Continue to Pump NE Ponds - now to West Oxidation (silty).
Wednesday - Continue to remove RIP RAP berm. Continue to Pump Water from Aeration Basin to West Oxidation Pond.
Thursday - Hogoboom on-site removing product from PS-CB's and API OWS. Finshing Rip Rap berm removal. Pre-survey of Aeration Ponds.
Friday - Began to Clean-Out Sediment from API/OWS w/ Hogoboom Vac Truck and Water Jet. Started Sediment Removal from Polishing Pond.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Sludge Removal from Aeration Ponds (Started in Polishing Pond - working south)
Demolition of Concrete Walls will soon be required as we reach them (placing concrete into Primary Pond)
API Clean-out and Selective Demoltions - conversion into the Metals Precip Basin is underway.
Once Areation Ponds have sediment removed - will remove 0.4' of soil and stockpile (In Primary Pond?)
Topsoil Stripping around the Berm will be completed prior to grading for wetlands.

Signature: Stuart B. Klaus

Date: 8/7/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

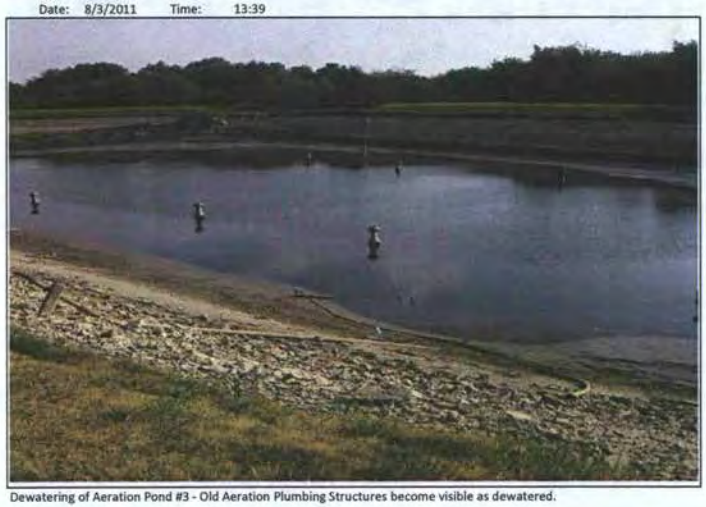
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/2/2011 Time: 17:45

Dewatered Polishing Pond - Rip Rap Berm on South Side of Polishing Pond - note Dewatering of Aeration Pond.

Date: 8/3/2011 Time: 13:39



Dewatering of Aeration Pond #3 - Old Aeration Plumbing Structures become visible as dewatered.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/3/2011 Time: 13:24

Final Configuration of Temporary OWS and Storage Tank.

Date: 8/4/2011 Time: 18:45

Removal of accumulated product from API/OWS by Hogoboom Vac Truck. Product taken to their facility.
Water is discharged to West Oxidation (following decanting period).

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/5/2011 Time: 14:40

Removal of former Chain Drive from west side of API/OWS to allow for Sediment Removal and cleaning.

Date: 8/5/2011 Time: 17:10

Sediment removal underway in Polishing Pond - pushing to Aeration Pond - lifting over wall to West Oxidation.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	08/08/11 Monday	08/09/11 Tuesday	08/10/11 Wednesday	08/11/11 Thursday	08/12/11 Friday	08/13/11 Saturday	08/14/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Continue Sediment Removal Polishing Pond and Aeration Pond #3						
	API/OWS Sediment Removal----------\						
				API/OWS Cleaning and Piping/iron Removal----->			
				Fraq Tank On-site	Hogoboom Returns Product to Fraq Tank		
					Install Electrical to Flow Meter in HCS#3		
	NO SIGNIFICANT PRECIP		~0.25" Rain		0.7" of Rain	Lightning Shutdown Early Fri.	
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Ptly Cldy	Hot, Clear	AM Rain, PM	Hot Humid	Stormy	Sunny, Windy	Sunny
TEMPERATURES							
	80's-90's	105	80's	Near 100	70's	90's	90's
PRECIPITATION							
	None	None	~0.25	0	0.7	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday -API/OWS Sediment Removal and Cleaning, demo of surrounding Piping and Equipment. NE Ponds (Aeration #3) Sludge Removal.
Tuesday - Arrive to find break-in at site items stolen. Continue with API/OWS Sludge Removal and Cleaning out Aeration Pond #3.
Wednesday - Continue and finish with API/OWS Sludge Removal, Continue to clean out out Aeration Pond #3.
Thursday - Intial Pressure Wash test on API - determine scraping required. Continue Aeration Pond #3 Sediment Removal. Fraq Tank on-site.
Friday - Storms/Lightning Shut Down at 13:00, Continued with Sediment Removal, Installed Electrical to HCS#3 Flow Meter, Hogoboom returns Product and water mix to the site (inside Fraq tank)

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Sludge Removal from Aeration Ponds (Done w/ Polishing Pond, Nearly Done with Aeration Pond #3 & working south)

Demolition of Concrete Walls will soon be required as we reach them (placing concrete into Primary Pond)

API Clean-out and Selective Demoltions - conversion into the Metals Precip Basin is underway.

Topsoil Stripping around the Berm will be completed prior to grading for wetlands.

Signature: _____ **Date:** 8/14/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/8/2011 Time: 10:30

Sediment Removal from Aeration Pond #3, Sediment is being pushed into removal sump.

Date: 8/9/2011 Time: 14:06

Sediment Removal / Cleanout of API/OWS - using chain driven paddles and water jet (Suction Hose in Sump).

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/10/2011 Time: 12:25

Following Sludge removal from largest cells in the API/OWS.

Date: 8/10/2011 Time: 12:31

Continued removal of sediment from Aeration Cell #3.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/11/2011 Time: 14:12

Intial effort to powerwash API/OWS walls, determined scraping required followed by washing.

Date: 8/12/2011 Time: 10:30

Clean-up and piping removal surrounding former API/OWS

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	08/15/11	08/16/11	08/17/11	08/18/11	08/19/11	08/20/11	08/21/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

Continue Sediment Removal Polishing Pond and Aertion Pond #3——\
(Friday) Sediment Removed Aeration Pond #2
Survey of Aeration Pond #3 and Polishing Pond after Sediment Removal
Scraping, cleaning, and metal removal from API/OWS————\
(Friday) Power Wash API Begins
(Friday) Collect Wash Water Sample for Haz Analysis.
(Monday) Small amount of rainwater pumping from Aeration Ponds to West Oxidation Pond.
NO SIGNIFICANT PRECIP

SHIFT / HOURS WORKED

	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1600	None	None

WEATHER

	Ptly Cldy	Hot, Clear	Clear	Hot Humid	Sunny	Mstly Cldy	Sunny

TEMPERATURES

	80's-90's	104	Mid (0's	103	104	90's	100's

PRECIPITATION

	None	None	0	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS

Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Pumping Rain Water to West Oxidation from Aeration Pond #3, Grout filled PS-CB-2, PS-CB-1, and API/OWS Inlet.
Tuesday - Continue Sediment removal from Aeration Pond #3, Cleaning of API/OWS
Wednesday - Finish Sediment removal from Aeration Pond #3, Survey of Polishing Pond and Aeration Pond #3, Cont'd Cleaning of API/OWS
Thursday - Backfilling Aeration Pond #3 Sediment Sump, Excavation of Aeration Pond #2 Sediment Sump, Metal Removal from API/OWS.
Friday - Started and Finished Sediment Removal from Aeration Pond #2, Begin Pressure Washing of API/OWS, wash water sampled.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:
Excess infiltration or seepage suspected from SE Ponds, exploring options.
Possible that we are going to lack soil to make grades in wetlands due to excess sediment removal has lowered elevations.
Question was raised IF we could leave concrete beneath the wetland cells in large slabs.

RESOLUTIONS:
Options are being explored for seepage control in the SE Pond. Seep inspection was performed Thursday to keep eyes on the river.
Will check survey map and compare to expected elevations - once received from RECON.

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Sludge Removal from Aeration Ponds (Now finished w/ #3 and #2, next will be Equalization Basin, and #1)
Demolition of Concrete Walls - first wall is down other's will soon be demoe'd as we reach them.
API Clean-out and Selective Demoltions - conversion into the Metals Precip Basin is well underway.
Topsoil Stripping around the Berm will be completed prior to grading for wetlands.

Signature: Stuart B. Klaus

Date: 8/21/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/15/2011 Time: 14:30

Grout Filling PS-CB-1.

Date: 8/16/2011 Time: 8:16

Aeration Pond #3 w/ all Sediment Removed.

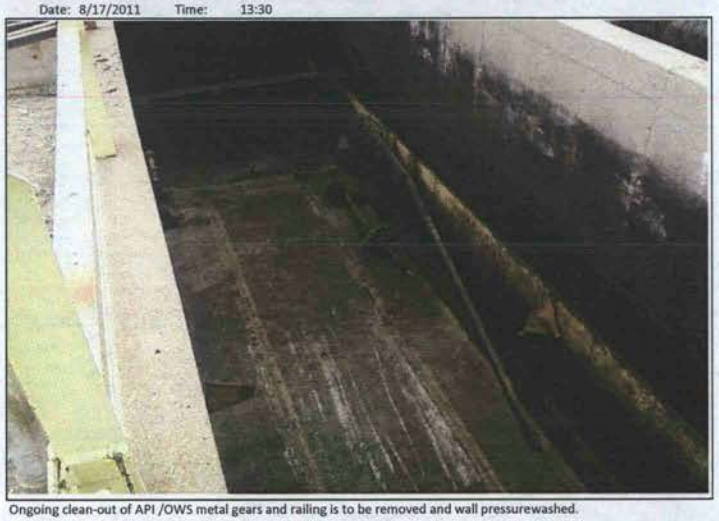
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/16/2011 Time: 8:19

Groundwater accumalation in low area near outfall sump, pumped dry and backfilled w/ clay soils.

Date: 8/17/2011 Time: 13:30



Ongoing clean-out of API /OWS metal gears and railing is to be removed and wall pressurewashed.
Metal gears and railing are part of the former chain driven sludge removal (rotating scraper boards) system.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/18/2011 Time: 12:50

Backfilling (and truck compaction) of low area that accumalated groundwater shown above.

Date: 8/19/2011 Time: 17:10

Pushing over the concrete basin wall divider between Aeration Ponds #3 and #2.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	08/22/11 Monday	08/23/11 Tuesday	08/24/11 Wednesday	08/25/11 Thursday	08/26/11 Friday	08/27/11 Saturday	08/28/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Sediment Removal - Equalization Basin / Aeration Pond #1, Removing Concrete Walls in NE Ponds						
	Pressure washing API/OWS, Grouting Piping Penetrations, Final Selective Demolition.						
			Demolition Hammer Arrives, Walls are broken, concrete is placed in Primary Pond.				
			Finished Sediment Removal NE Ponds - all in the West Oxidation Pond				
				Post-survey of Aeration Ponds / Equalization Basin.			
					Demo North of API/OWS and Decon Pad		
					Near Miss: Electrical to Trailer is pulled out by pipe.		
		Final Pump-out! (NE Pond to West Oxidation)					
	NO SIGNIFICANT PRECIP, SE Pond level is steady at ~4'---------->						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Ptly Cldy	Hot, Clear	Hot, Clear	Hot	Sunny	Mstly Cldy	Sunny
TEMPERATURES							
	80's-90's	105	105	95	105	90's	100's
PRECIPITATION							
	None	None	0	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - Removing Sediment from Equalization Basin. Removing old Aeration structures. Power Washing API/OWS.
Tuesday - Begin to remove concrete wall(s) to access Aeration Pond #1 for sediment removal. Power Wash of API/OWS, grout lines.
Wednesday - Finish Sediment Removal from NE Ponds, All Sediment is in West Oxidation Pond, Finished API/OWS Powerwash/Grouting.
Thursday - Hydraulic Excavator mounted Breaker Hammer working on concrete walls in Ponds, Survey of NE Ponds w/ Sediment removed.
Friday - Removing Piping north of Decon Pad/API, pipe snags Electrical to RECON Office Trailer, Near Miss, Line Repaired by Young Electric.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

Concern that more sediment removal in NE ponds will require more CY of sediment to stabilize.

ALSO that the starting soil elevations are to low in NE Ponds, so we will not have sufficient soil to make final grades in Wetlands Stage 1 & 2

DESIGN RESOLUTIONS:

Pending Survey will determine the degree of problem when compared to planned elevations (top of soil map)

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Final Demolition of Concrete Walls with concrete going to Primary Pond

API Clean-out and Selective Demoltions - conversion into the Metals Precip Basin is underway.

Topsoil Stripping around the Berm will be completed prior to filling and grading for wetlands.

Removal of old Outfall 001 and Emergency Outfall 002

Signature: Stuart B. Klaus

Date: 8/28/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/22/2011 Time: 12:50

Aeration Ponds #2 and #3 with the seperation concrete wall pushed over and laying flat.

Date: 8/22/2011 Time: 13:36

Location of leaking 4" PVC Tee and Valve, removed and replaced with threaded coupling.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/23/2011 Time: 13:19

Removing Sediment from Equalization Basin.

Date: 8/24/2011 Time: 10:01

Delivery of Sand Filters at site, with pallet of gravel and sand.
Unit has been positioned near the HCS#3 and will be loaded with gravel and sand if needed.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/25/2011 Time: 14:11

Demoliton of Wall between Aeration Ponds #1 and #2, wall is falling in photo!

Date: 8/26/2011 Time: 14:10

Demoliton of walls and loading of broken concrete from Aeration Basin #1 and #2 (Northeast Ponds).

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	08/29/11	08/30/11	08/31/11	09/01/11	09/02/11	09/03/11	09/04/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

Demolition of Concrete Structures (PS-CB-01, PS-CB-02, MPA Rock Pile,...)
Hauling Topsoil from NE Ponds NE Berms
Jerold locates lines (Electrical and Water from Trench) near outfalls 001 and 002.
Removing Outfall Structures (Abandoning 001 and 002)
Safety Kleen cleaning Fraq Tank, water to Vac Truck -> West Oxi Pond
Product Removed (4 totes) by S-K from Site.
SE Pond Water Treatment -> Pond is Steady ~4' depth
NO SIGNIFICANT PRECIP

SHIFT / HOURS WORKED						
0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1200	10:00-12:00	None	None
WEATHER						
Clear	Hot, Clear	Clear	Hot	Sunny	Mstly Cldy	Sunny
TEMPERATURES						
98	105	102	104	105	90's	100's
PRECIPITATION						
None	None	~0.25	None	90s	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Demolition of PS-CB-1, and PS-CB-2 - plus large octagon footing in MPA, sludge type soils under footing were hauled to Ashphalt Pile.
Tue - Hauling Topsoil from NE Ponds Berms, Located Electrical and Water lines from IM Trench) near outfalls 001 and 002.
Wed - Terracon collects Proctors and Perms soil samples, 6 locations (3 in East Ponds, 3 Borrow Sources), Continue Demo/Topsoil Hauling.
Thurs - Safety Kleen cleaning Fraq Tank all water to Vac Truck -> West Oxidation Pond, RECON Begins Rotation
Fri - Safety Kleen returns loads and hauls away 4 totes, Fraq tank still on-site till next week.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:
Soil Volumes may be short based on elevations observed.
Seepage may be excessive, as SE Pond appears to be seeping and not gaining WL's

RESOLUTIONS:
Working on above to quantify and resolve.

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:
Soil Volume Shortage may require lowering of Wetlands.

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Moving soils to establish grades on the wetlands.
Installation of the New OWS following delivery
Sieving of Wetlands Media from roadbase

Signature: Stuart B. Klaus

Date: 9/4/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/29/2011 Time: 14:34

Breaking larger rock and concrete pieces to allow easier transport and placement within the Primary Pond.

Date: 8/29/2011 Time: 10:30

Broken-up concrete from large foundation found during final efforts in MPA (~15' dia - octagon).

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 8/30/2011 Time: 13:24

Demolition of Concrete Footings from Cement Walls - removed only on Edges of Ponds.

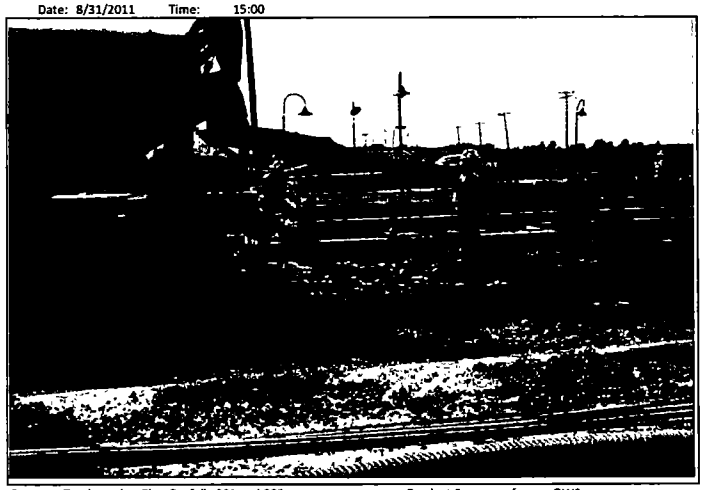
Date: 9/1/2011 Time: 18:45

Safety Kleen is on-site removing product from Fraq Tank, and Cleaning out Fraq Tank.
Product is within the 4 totes beside the Fraq Tank, water is within Vac Truck -> West Oxidation Pond.
Product is removed the following day.

Photolog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

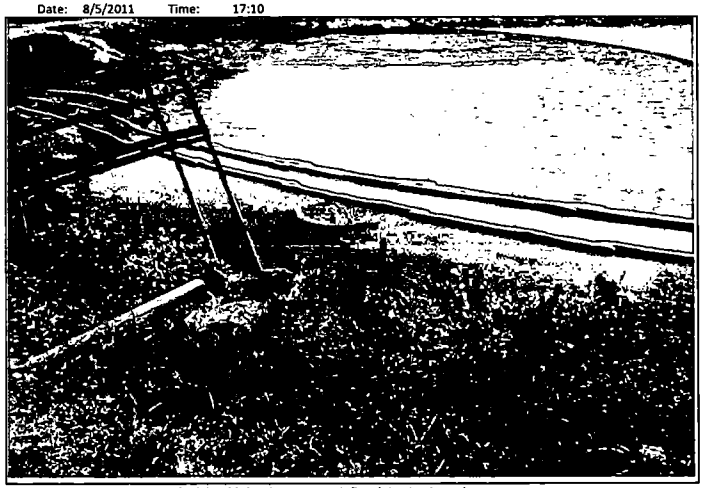
MWH

Date: 8/31/2011 Time: 15:00



Concrete Truck used to Plug Outfalls 001 and 002 - extra concrete caps Product Sumps on former OWS.

Date: 8/5/2011 Time: 17:10



Stabilized SE Pond water level (~4' depth) despite constant inflow (pipe in picture).

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	09/05/11 Monday	09/06/11 Tuesday	09/07/11 Wednesday	09/08/11 Thursday	09/09/11 Friday	09/10/11 Saturday	09/11/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Labor Day						
		Borrow from NE Pond	Berms placed into Stage I and II (NE Ponds) bottom layers.				
			Ct'd loading, hauling, spreading, watering, and compacting clay soils ---->				
				Terracon takes intial densities, fail, too dry, collect new proctor sample			
					Terracon re-tests - Tests Pass.		
	NO SIGNIFICANT PRECIP			Trace Rain			
SHIFT / HOURS WORKED							
	Labor Day	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Ptly Cldy	Clear	AM Rain, PM	Clear	Sunny	Mstly Cldy	Sunny
TEMPERATURES							
	70's-80's	85	80's	81	85	90's	100's
PRECIPITATION							
	None	None	~0.25	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Labor Day - RECON mobilizing back to site from Rotation
Tue - Removing soil from north and east berm of the Polishing Pond - hauling and placing into Stage I and II (NE Ponds) bottom layers.
Wed - Continued loading, hauling, spreading, watering, and compacting clay borrowed from NE Pond Berm into Stage I and II Wetlands.
Thurs - Terracon first measures densities first lift (tests fail), adding moisture to soils and took another sample for a new proctor.
Fri - Terracon measures densities w/ new proctor (and more moisture in soils) tests pass - continue to fill Stage I and II Wetlands.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Continued loading, hauling, spreading, watering, and compacting clay borrowed from NE Pond Berm into Stage I and II Wetlands.
Will need to determine where added soils will come from or if grade change of wetlands is needed.
May add Bentonite to Wetlands Ponds as liner amendment to reduce infiltration from wetlands.

Signature: Stuart B. Klaus

Date: 9/11/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/6/2011 Time: 10:30

Leveling concrete walls in the NE Ponds prior to soil fill placement.

Date: 9/6/2011 Time: 14:45

Placing the intial soil lift in bottom of NE Ponds.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/7/2011 Time: 13:24

Continued Pond Filling, soil is coming from the NE Pond Berms

Date: 9/7/2011 Time: 18:45

Groundwater in NE Pond, Water was pumped out to West Oxidation Pond and/or used to wet soils.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/8/2011 Time: 14:40

Terracon Density Testing, Note: Water added to soil in background to raise moisture level.

Date: 9/9/2011 Time: 14:27

Placing, watering (darker soil are wet), working in moisture, compacting fill soil into NE Ponds.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	09/12/11	09/13/11	09/14/11	09/15/11	09/16/11	09/17/11	09/18/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

-->	Loading, hauling, spreading, watering, and compacting clay borrowed from NE Pond Berm into Stage I and II Wetlands.						
	Density Testing w/ Terracon Lifts as Compacted						
	Cornejo on-site screening Road Base to make Wetlands Media						
				Delivery of Highland Tank new underground OWS			
	NO SIGNIFICANT PRECIP						

SHIFT / HOURS WORKED

	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None

WEATHER

	Clear	Clear	AM Rain, PM	M Sunny	Sunny	Rainy	Rainy

TEMPERATURES

	95	95	80's	80's	80's	70's	70's

PRECIPITATION

	None	None	~0.1 in AM	None	None	~0.75	0.75

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Arnett	"
Jerold Nordemeyer	"	Steve Hickman	"
		Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Continued loading, hauling, spreading, watering, and compacting clay borrowed from NE Pond Berm into Stage I and II Wetlands.
Tues - Same As Mon, also Denstiy Testing (Terracon) and Screening Road Base to make Wetlands Media (Cornejo)
Wed - Same as Above
Thursday - Same as Above, Highland Tank Oelivers new underground OWS and Equipment.
Fri - Same as Above, RECON Begins to remove topsoil and clays soils for Borrow from SE Pond Berm.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:
Soil Volumes are short for Wetlands Stages I and II - looking for additional borrow for the wetlands on-site.
Seepage from SE Ponds is more than desired

RESOLUTIONS:
Obtaining additonal Borrow on-site
Will install Bentonite into the upper 6" of soil in Stage I and II of the Wetlands, will also apply ESS-13 to the SE Ponds.

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:
Looked at lowering Wetlands 0.5' to 1.0' - decision was it was more destrable to abtain additional fill soil.

DESIGN RESOLUTIONS:
Obtain more fill soil on-site.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS DOCUMENTS RECEIVED OR PERFORMED

SAMPLING
Terracon continues to Collect Soil Density Readings.
INSPECTION
SUBMITTAL
Obtained soil results table from Terracon, containing proctor's and densities of remolded samples, Permeabilities due soon!
SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Continue with the loading, hauling, spreading, watering, and compacting clay borrowed from on-site locations into Stage I and II Wetlands
Once grades are obtained will be spreading, mixing, and compacting Bentonite into upper 6" of Wetland Liner Soils.
Will then be installing, piping, HCS, Wetlands Media, and planting Stages I and II (finishing Wetlands).

Signature: Stuart B. Klaus

Date: 9/18/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/12/2011 Time: 10:39

Filling soil in former Aeration Pond #3, becoming Stage II of constructed wetlands.

Date: 9/14/2011 Time: 8:30

Removing northern berm from Polishing Pond using for fill, smaller berm remains for constructed wetlands.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/14/2011 Time: 12:28

Filling soils at location of new separator berm between Wetlands Stage I and Stage II

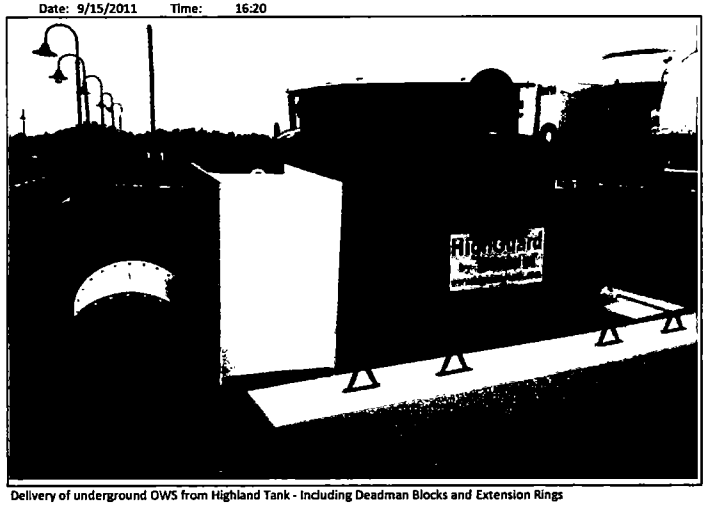
Date: 9/14/2011 Time: 10:15

Using soil stockpiled in Primary Pond abtained from sediment removal sump - to build separator berm above.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

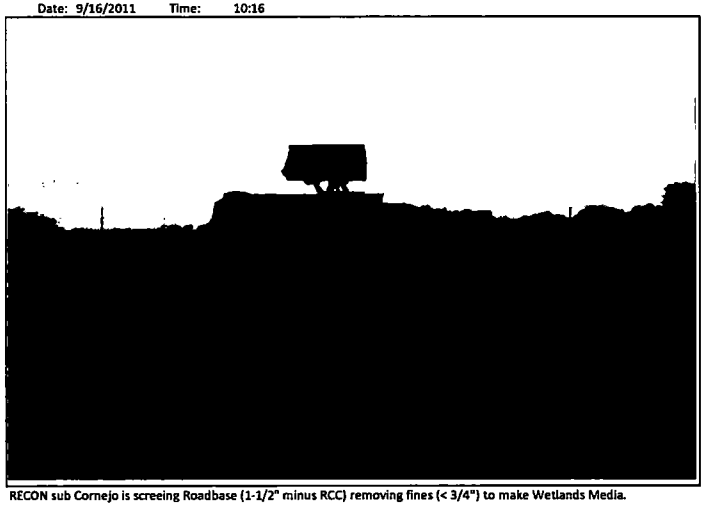
MWH

Date: 9/15/2011 Time: 16:20



Delivery of underground OWS from Highland Tank - Including Deadman Blocks and Extension Rings

Date: 9/16/2011 Time: 10:16



RECON sub Cornejo is screeing Roadbase (1-1/2" minus RCC) removing fines (< 3/4") to make Wetlands Media.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	09/19/11 Monday	09/20/11 Tuesday	09/21/11 Wednesday	09/22/11 Thursday	09/23/11 Friday	09/24/11 Saturday	09/25/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	Pumping Water from Weekend Rains, Moved some Concrete/Rock from MPA Stockpile to Primary Pond.						
<——	Cornejo Screening Wetlands Media from Road Base.						
<——		Removing Berm from between Primary Pond and West Oxidation for Wetlands Fill.					
		Continue to remove soils from NE Ponds Berms for Wetlands (Stage I and II) Fill.——>					
			3 Loads of Bentonite Delivered				
				5 Loads of Bentonite			
				Building up Clay Berm between Stage I and II Wetlands ——>			
					Wetlands Vendor Visits Site		
<——	1.5" OF RAIN OVER WEEKEND ——Drizzle ——DRY ——>						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Clear	Clear	AM Rain, PM	Hot Humid	Sunny	Mstly Sunny	Sunny
TEMPERATURES							
	80	95	70's	75	75	80's	80's
PRECIPITATION							
	1.5" Weekend	None	~0.1 in AM	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Site is wet from Weekend Rains, Pumping Water and drying site soils. Move some stockpiled concrete/rock to former Primary Pond.
Tue - Continued placing compacted clay borrowed from Berm between Primary and West Oxidation into Wetlands.
Wed - Continued loading, hauling, spreading, watering, and compacting clay borrowed from NE Pond Berm into Stage I and II Wetlands.
Thur - Cornejo finishes screening, C-B surveyors on-site to survey piles, All 8 loads of Bentonite have been delivered to the site.
Fri- Jason w/ AES - Wetlands Vendor visisted site. Continue to build Stage I and II Wetlands w/ clay filling to make grades.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Final Grade Wetlands Stages I and II

Install (Spread) and mix into upper 6" of clay - Bentonite (Pond Seal) that was delivered this week.

Rotation next week (Short Week)

Signature: _____ **Date:** 9/25/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/19/2011 Time: 10:40

Weekend rains (~1.5) water accumulated in the Stage II wetlands. Pumping water to the West Oxidation Pond.

Date: 9/20/2011 Time: 15:35

Spreadings soils into Stage I and II Wetlandss borrowed from berm between West Oxidation and Primary Ponds.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/20/2011 Time: 15:25

Cornejo (RECON subcontractor) is screening Road Base (1-1/2" minus) to remove fines less than 3/4".
Screened Material (Wetlands Media 1-1/2" to 3/4") is the large pile on the left of the photo.

Date: 9/21/2011 Time: 18:45

Terracon (RECON Subcontractor) is on-site checking compaction (Nuclear Density Gauge).
Compaction and bulldozer spreading is occuing in background (broken white compactor also in photo).

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/21/2011 Time: 14:40

Bentonite Bulk Bags received and unloaded north of Stage I wetlands.

Date: 9/23/2011 Time: 10:10

Building up soil berm between Stage I and Stage II wetlands.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	09/26/11	09/27/11	09/28/11	09/29/11	09/30/11	10/01/11	10/02/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

<——— Continue to remove soils from MPA Stockpile for Wetlands (Stage I and II) working on Berm between Wetlands.
<——— Building up Clay Berm between Stage I and II Wetlands ———>
Spreading Bentonite into Stage II Wetlands (First with Spreader, then w/ Excavator)
Mixing Bentonite into upper 6" of clay soils in ponds———————————>
Finish Stage II Bentonite Spreading
RECON ROTATION———————>
<——— DRY———————————————————————————>

SHIFT / HOURS WORKED	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1300	0700 - 1700	None	None
WEATHER	Clear	Clear	Clear	Clear	Sunny	Mstly Sunny	Sunny
TEMPERATURES	80	80's	94	75	75	70's	70's
PRECIPITATION	None	None	None	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Major Incidences or Recordable Events
Off Road Truck did slip off center berm during filling operations.

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Continue to Fill Stage I and II Wetlands, fill is concentrated on berm between Stage I and II. Started spreading Bentonite in Wetlands.
Tue - Continue to spread Bentonite, Spreader Broke Began spreading with Excavator swinging from bag.
Wed - Continue spreading Bentonite into Stage II Wetlands with Excavator, Backhoe staging bags for excavator. Mixing Bentonite / Soils.
Thur - Continue to Spread and Mix Bentonite into Stage II Wetlands, Finish Spreading into Stage II, Pipe Delivered, RECON Leaves for Rotation
Fri- Recon on Rotation

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Install (Spread) and mix into upper 6" of clay - Bentonite (Pond Seal) into Stage I
Place Rooting Media benches into Stage II Wetlands
Install Piping for Wetlands Stages

Signature: _____ Date: 10/2/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/26/2011 Time: 10:40

Filling soils to produce berm between Stages I and II of wetlands.

Date: 9/26/2011 Time: 15:35

Off-Road truck ran off the berm during filling operations.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/27/2011 Time: 10:39

Bentonite being spread intro Stage II wetlands.

Date: 9/28/2011 Time: 10:30

Spreading Bentonite bags by grid system after spreader broke.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 9/29/2011 Time: 13:35

Bentonite Bulk Bags received and unloaded north of Stage I wetlands.

Date: 9/29/2011 Time: 10:10

Spreading bentonite bulk bags in grids, mixing occuring in background.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	10/03/11 Monday	10/04/11 Tuesday	10/05/11 Wednesday	10/06/11 Thursday	10/07/11 Friday	10/08/11 Saturday	10/09/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	ON ROTATION						
		Install Bentonite into Stage I of Wetlands					
		Mixing Soil/Bentonite (Upper 6") in Stage II on Slopes					
			Mixing Soil/Bentonite (Upper 6") in Stage I - Bottom and Slopes				
			Building Benches In Stage II of Wetlands				
				Set New OWS and filling around w/ RCC fines			
					Finsish 2nd Starting 3rd - Rooting Media Bench		
						Start setting OWS landscape block	
	NO SIGNIFICANT PRECIP						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Clear	Clear	Clear	Clear Sunny	Sunny	Mstly Cldy	Sunny
TEMPERATURES							
	80	95	90	90	90	90's	100's
PRECIPITATION							
	1.5" Weekend	None	0	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Gayle Amett	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Monday - RECON on rotation no Site Actions.
Tues - Begin Spreading Bentonite in Stage I wetlands, Skid Steer track loader w/ tiller for side slopes arrives tills slopes in Stage II.
Wed - Begin to haul soil from MPA Basin stockpile to make rooting media benches in Stage II wetlands. Finish Bentonite Install in Stage I.
Thurs - Continue to haul topsoil from MPA Stockpile for rooting media benches in Stage II Wetlands. Set and filling around new OWS.
Fri - Hauling Soils to Stage II Wetlands Rooting Media Benches. Finished 2nd Bench - Starting 3rd. Working fill and seting block around OWS.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Continue to borrow and fill for Rooting Media benches in Stage II wetlands.

Aeration Piping and gravel fill in Stage II

Drainage Piping and RCC Wetlands Gravel Media in Stage I

HCS #2 and HCS#3 set and filled around.

Signature: _____ **Date:** 10/9/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/4/2011 Time: 10:40

Spreading Bentonite in Stage I Wetlands Basin, Bages are spread in a grid by Area/ bag Weight.

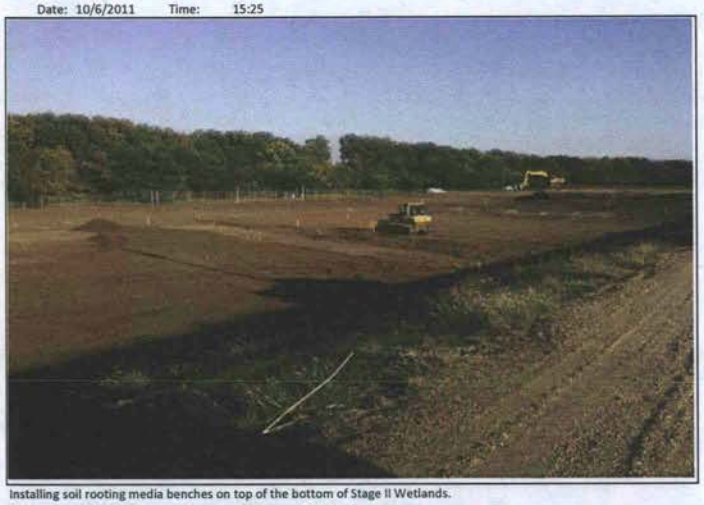
Date: 10/5/2011 Time: 15:35

Mixing Bentonite Stage 1 Wetlands, leveling bottoms, and final compation of Bentonite lined soils.
Small track loader w/ tiller is mixing soils on slopes. Water truck in bacground is wetting soils for final compaction.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/6/2011 Time: 15:25



Installing soil rooting media benches on top of the bottom of Stage II Wetlands.
Borrow occuring in background from eastern berm of SE Pond.

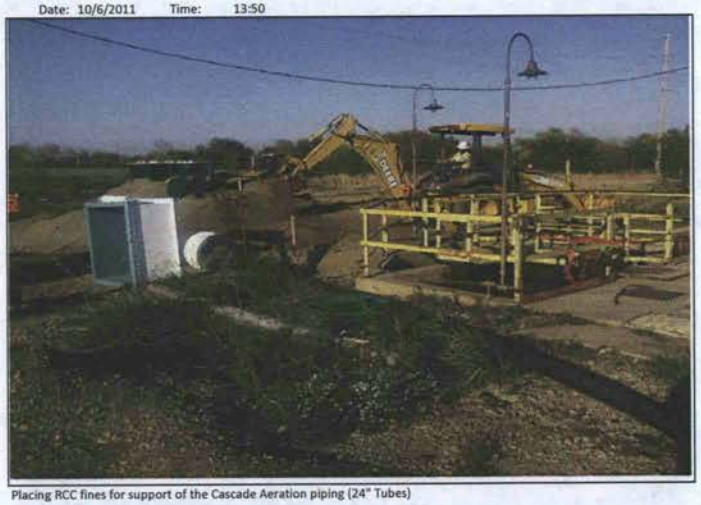
Date: 10/6/2011 Time: 11:06

Installation of new underground Oil Water Seperator (OWS), actually being placed on-grade and covered.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/6/2011 Time: 13:50



Placing RCC fines for support of the Cascade Aeration piping (24" Tubes)

Date: 10/7/2011 Time: 9:30

Installation of Rooting Media topsoil benches into Stage II Wetlands.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	10/10/11 Monday	10/11/11 Tuesday	10/12/11 Wednesday	10/13/11 Thursday	10/14/11 Friday	10/15/11 Saturday	10/16/11 Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

<—— NO WORK WET SITE (Monday)
Hauling Broken Concrete / Large Rock to Primary Pond (from Tuesday)
Working on new UOWS, Piping and Connections. (from Tuesday)
Hauling RCC Fines to Primary Pond, Covering Large Rock/Concrete. (from Wednesday)
Resume Hauling Top Soils to Wetlands Stage II rooting media benches. (from Thursday)
Finish placing Top Soils in Wetlands Stage II benches. (from Friday)
Start 1" Pea Gravel / Aertion Cells. (from Saturday)
Start 6" Trench (Precip to Stage I) (from Saturday)
<—1.8" of Rain | DRY——————————————————>

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
SHIFT / HOURS WORKED	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	0700 - 1630	None
WEATHER	Clear	Clear	Clear	Hot Humid	Sunny	Mstly Sunny	Sunny
TEMPERATURES	80	70	80's	80's	80	80's	80's
PRECIPITATION	1.8" Weekend	None	0	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Site is wet from Weekend Rains (1.8") NO SITE WORK
Tues - Working on OWS Block retaining wall and OWS Fill. Fusing 4" HDPE laying around OWS. Hauling Rock/Concrete to Primary Pond.
Wed - Hauling RCC Fines into Primay Ponds filling over Rock/Concrete. Installing UOWS 4" piping / extensions. Laid piping in Stage I Wetlands.
Thurs - Back to hauling topsoil for 3rd Bench in Wetlands borrow from west side of Primary Pond. Installing UOWS 2" vent piping.
Fri- Finished loading, hauling, spreading, topsoil borrow for benches in Stage II Wetlands.
Sat - Excavation of the trench for the 6" HDPE Gravity Drain line from the Metals Precip Basin (frmer API/OWS) to Stage I Wetlands.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Placing Aeration Lines in Aeration zones in Stage II wetlands, covering w/ 5" RCC Gravel Media.
Filling with RCC Wetlands Media Gravel Stage I
Setting HCS #1, #2
Planting Rooting Media Benches in Stage II.

Signature: [signature]

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Date: 10/16/2011

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/11/2011 Time: 8:38

Beginning of the landscape block retaining wall holding back fines placed around the Cascade Aeration Piping.

Date: 10/11/2011 Time: 9:06

Spreading Rock/Broken Concrete into Priamry Ponds, will be covered with RCC fines.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/12/2011 Time: 15:25

Backfilling/Mounding around inground OWS and Cascade Aerator with RCC fines.

Date: 10/13/2011 Time: 14:15

Piping Connecting new underground OWS (Green Elbow) to Cascade Aerator.
4" HDPE entering from bottom is bypass of OWS for the Seep IT groundwater.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/14/2011 Time: 9:46

Looking South Down the Cascade Aerator and across the API/OWS - from on top of the new UOWS in foreground.

Date: 10/15/2011 Time: 11:30

Preparing to install 6" HDPE gravity drain line from Precipitation Basin (API/OWS) to Stage I Wetlands.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	10/17/11 Monday	10/18/11 Tuesday	10/19/11 Wednesday	10/20/11 Thursday	10/21/11 Friday	10/22/11 Saturday	10/23/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	<-------- Installation of Aeration Tubing and RCC Wetlands Gravel Media in Stage II						
		Placing RCC Wetlands Media Gravel on Aeration Tubing---------->					
	Skid Steer Rollover Incident		Young Electric Installing Electrical to UOWS				
			Excavating HCS #1 & #2		Backfilling HCS #1 & #2		
				Set HCS #1 & #2 w/ Belger Crane			
	<-------- Excavation of 6" HDPE: Metals Precip to Stage 1 Wetlands						
		Install and Backfilling 6" HDPE					
	Survey of Stage I & II Wetlands by C-B						
	<-------- DRY---------->						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Cloudy	Clear	Clear	Clear	Sunny	Mstly Sunny	Sunny
TEMPERATURES							
	60's	60's	30's	60	80	80's	80's
PRECIPITATION							
	None	None	None	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
		Nicolas Gonzalez	"
		Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / Skid Steer Incident - No Signficant Damage / No Injury

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Aeration Cell Prep for Tubing, Excavation of 6" HDPE from Metals Precip Basin to Stage 1 Wetlands.
Tue - Installing 6" HDPE, Metals Precip Basin to API/OWS, Carlson Baughman Survey of Stage I and Stage II Wetlands.
Wed - Electrical Install to UOWS, Excavation for HCS #1 and HCS #2.
Thur - Installation of HCS #1 and HCS #2 set & Piping Connections started, Finshing Electrical to UOWS.
Fri- Backfilling around HCS #1, #2 ; Backfilling also around electrical lines to UOWS, Aeration Line covering w/ RCC Gravel.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Continue to install Aeration Lines
Rip Rap around Stage I and Stage II wetlands
Flooding and Planting of Stage II wetlands prior to cold weather!
Rotation end of next week

Signature: _____ **Date:** 10/23/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/17/2011 Time: 16:34

Excavating trench into Stage 1 Wetlands from Metals Precip Basin for 6" HDPE Gravity Drain Line.

Date: 10/17/2011 Time: 14:00

RECON is rolling back over small tracked loader that rolled over backwards (down slope) after dumping on-slope.
No injuries / signficant property damage; an incident report was filed - see correspondace and notes for details.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/18/2011 Time: 16:00

RECON is placing 6" of RCC Wetlands Media (1.5-3/4") gravel over the areation lines in Wetlands Stage II.

Date: 10/19/2011 Time: 18:45

Excavation for HCS #2, Aeration Header and smaller Aeration Emitter lines are in foreground.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/20/2011 Time: 12:47

Note: See Separate Photolog this report for more detailed pictures of the setting of HCS #1 and HCS #2.

Setting HCS #1 (Shorter Control Structure w/ Gate Pre-installed) rigging to crane.

Date: 10/21/2011 Time: 10:10

Backfilling around HCS #2, Note small 2" Temporary Discharge line is to lead to SE Pond

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/20/2011 Time: 12:44

Setting up at HCS #1, Preparing to Unload HCS #1, swing to excavation and lower into place.

Date: 10/20/2011 Time: 12:54

Lifting and swinging of HCS#1 to excavation prepared to receive structure.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/20/2011 Time: 12:55

HCS #1 positioning in excavation ensuring box is level and positoned for piping connections.

Date: 10/20/2011 Time: 12:59

HCS #1 is set down and checked for level squareness, preparing to remove lifting cables.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/20/2011 Time: 13:34

Setting up at HCS #2, Preparing to Unload HCS #2, swing to excavation and lower into place.

Date: 10/20/2011 Time: 14:00

HCS #2 positioning in excavation ensuring box is level and positoned for piping connections.
Note: Confined Space Entry permits and monitoring was in effect during the installation of both HCS's.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	10/24/11 Monday	10/25/11 Tuesday	10/26/11 Wednesday	10/27/11 Thursday	10/28/11 Friday	10/29/11 Saturday	10/30/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	<------ Finishing Aeration Cells covering tubing w/ Gravel			Start Flooding Wetlands Aeration Cells in Stage II			
		Begine to Install 3" HDPE Header piping from Aeration cells to Blower					
			Excavating Clean-outs in Stage I of Wetlands				
			AES Wetlands Sub Delivered Wetlands Plants to Site				
				AES Starts Planting Wetland Plants in Stage II benches ------>			
				Geotextile placed prior to Rip-Rap surrounding sides of Wetlands			
					WCP Installs Weir Gates in HCS #1 and HCS #2.		
					RECON ROTATION------>		
	<------ DRY------>						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Clear	Clear	Clear	Clear	Sunny	Mstly Sunny	Mstly Sunny
TEMPERATURES							
	70's	80's	40's	60	80's	70's	70's
PRECIPITATION							
	None	None	None	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Finishing Spreading Aeration Covering RCC Gravel over last of Aeration Tubing in Stage II Wetlands, Preping to lay Aeration Tubing.
Tue - Continued Tilling of Wetlands Planting Benches in Stage II. Began to install 3" HDPE pipeline from Blower to each of the aeration cells.
Wed - Continued to excavate blower header (3" HDPE pipeline). Started backfilling by end of day. AES wetlands plants delivered to site.
Thur - Flooding Wetlands Aeration Basins, AES Planting Wetlands, RECON Placing Geotextile around Stage II Wetland.
Fri - Continued to Flood Wetland Aeration Basins, AES contines Planting wetlands plants in Stage II. RECON begins Rotation.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Final Grade Wetlands Stages I and II

Install (Spread) and mix into upper 6" of clay - Bentonite (Pond Seal) that was delivered this week.

Rotation next week (Short Week)

Signature: _____ **Date:** 10/30/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/24/2011 Time: 9:22

Installation of small Aeration emitter lines, connecting to larger 3" HDPE Header. Prepared to backfill in background.

Date: 10/25/2011 Time: 10:30

Tillage to loosen topsoils used for planting benches in Stage II Wetlands basin.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/26/2011 Time: 11:27

3" HDPE Header piping leading to Wetlands Aeration header and tubing; valve & valve box in foreground.

Date: 10/26/2011 Time: 14:00

AES (RECON Subcontractor) delivered wetlands plants to plant Stage II benches.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/27/2011 Time: 14:40

Initial flooding of Stage II Wetlands, limited to southern most Aeration cell, pending completion of plantings.

Date: 10/28/2011 Time: 9:27

AES planting Stage II Wetlands bench, RECON is flooding Aeration basin between benches.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	10/31/11	11/01/11	11/02/11	11/03/11	11/04/11	11/05/11	11/06/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

<——Continue to Plant Wetlands Benches in Stage II (AES RECON Wetlands sub)
Finish Plantings|Flooding Stage II——>
Aeration Blower Delivery, Formed Pad, Blower Set & Bolted to Pad——\
Backfilling Electrical Trenches near UOWS
Rip Rap placement around Stage II Wetlands
Excavating Clean-outs around Stage I.
Rip Rap placement around Stage I Wetlands
<——RECON ROTATION
Placing Wetlands Media in Stage I
<——DRY——>

SHIFT / HOURS WORKED	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	0700 - 1800	None
WEATHER	Clear	Clear	AM Rain, PM	Clear	Clear	Clear	Sunny
TEMPERATURES	70's	80's	70's	30-40's	20's to 30's	50's	60's
PRECIPITATION	None	None	~0.1 in AM	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon- Continued Wetlands Plantings by AES (RECON Sub), RECON crew on rotation (except Safety + 1)
Tue- Continued Wetlands Plantings by AES (RECON Sub), RECON crew on rotation (except Safety + 1)
Wed - Aeration Blower Delivery, backfilling electrical trenches near UOWS & Metals precip basin. AES is finishing Wetlands Plantings.
Thur - Begin Rip Rap Placement in Stage II on geotextile, continue to flood Stage II Wetlands -starting to flood planted benches.
Fri - Continued Rip Rap placement, including in Stage 1, continue to install cleanouts in Stage I, Prep Stage I piping for gravel fill by staking.
Sat - Bolt down Aeration Blower to Concrete Pad, Placing Wetlands Media into Stage I in ~1.5' thicknesses.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Complete RCC Wetlands Media Gravel Fill into Stage I.
Continue to Flood Stage II start to flood Stage I.
Test Aeration Blower in Stage II Aeration Cells once electrical is finished.

Signature: _____ Date: 11/6/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 10/31/2011 Time: 14:56

AES Planting Wetlands Plants in Stage II of Wetlands

Date: 11/1/2011 Time: 15:35

Looking N-NE, Across Stage II of Wetlands, AES is planting on dry benches between flooded aeration cells.

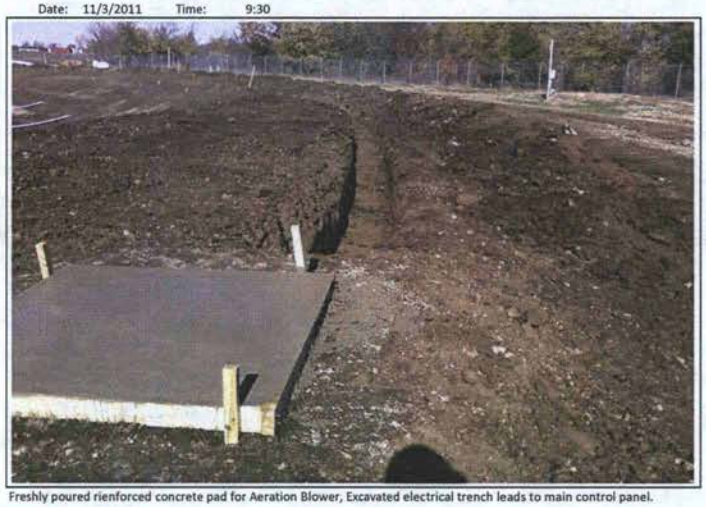
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/2/2011 Time: 16:23

Initial flooding of the southern most bench (already planted) in Stage II of the Constructed Wetlands

Date: 11/3/2011 Time: 9:30

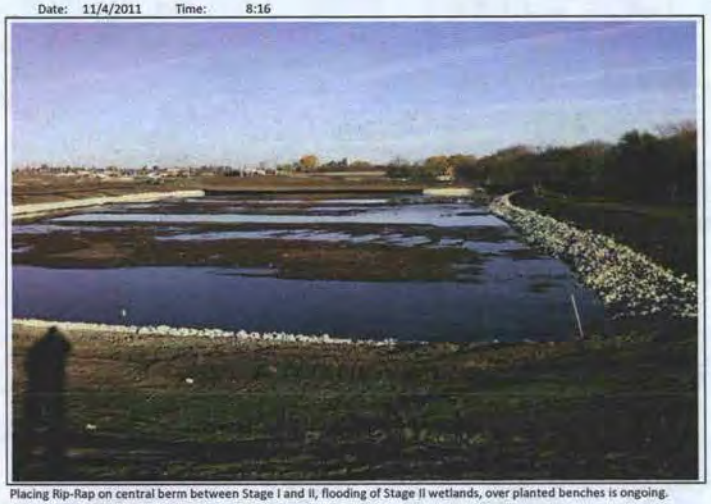


Freshly poured rienforced concrete pad for Aeration Blower, Excavated electrical trench leads to main control panel.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/4/2011 Time: 8:16



Placing Rip-Rap on central berm between Stage I and II, flooding of Stage II wetlands, over planted benches is ongoing.

Date: 11/5/2011 Time: 10:10

Spreading of ~1.5' thick RCC Wetlands gravel into Stage I of Constructed Wetlands, note: perforated 4" HDPE Piping.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	11/07/11 Monday	11/08/11 Tuesday	11/09/11 Wednesday	11/10/11 Thursday	11/11/11 Friday	11/12/11 Saturday	11/13/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	<-------- Continue to place RCC Wetlands Media in Stage I - Placed all Material on Monday						
		Need More Gravel for Stage I - Import from Cornejo					
		WET SITE NO WORK----------\					
				Install Geotextile in Stage I			
				Placing Rip Rap in Stage I			
					Grade RCC Media over all of Stage I Piping		
					Painting Rail on Metals Precip Basin		
					Pumping Water from Stage II for Wetlands Seeding		
	<-------- DRY----THUNDER/RAIN ~2" TOTAL VERY WET		----------DRYING	----------	----------	---------->	
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	7:00 - 14:30	None
WEATHER							
	Cloudy/Rain	Clear	Clear Cool	Cool	Sunny	Mstly Sunny	Sunny
TEMPERATURES							
	60's	95	40;s	30-40's	40's	60's	80's
PRECIPITATION							
	None	~1.5"	~0.5 @ Night	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Continued RCC Gravel placed in Stage I, used all, need more, Rain began about noon shutting down site work.
Tues - Rained for much of day / night ~2" of rain - no site work.
Wed - Site remains wet, no-site work - RECON safety trains today.
Thur - Geotextile placed in Stage I, Rip Rap placed on that which is accesible due to wet conditons. Covering UOWS w/ fines & Topsoil.
Fri - Pumping Water from Stage II for Wetlands seeding, Painting rail on Metals Precip Basin, Cover Piping in Stage I w/ RCC Media
Sat - Continued to paint railing, install final RIP RAP in Stage I - final w/ RIP RAP in Stages I and II.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

Shortage of Wetlands Media for Stage I

DESIGN RESOLUTIONS:

Will bring in gravel (import off-site by Cornejo) to finish Stage I to design grades.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Final Grade Wetlands Stages I w/ imported gravel to meet Wetlands Gravel specs.

Seeding of Wetlands Benches in Stage II.

Begin filling Stage I - by operating system in designed flow pattern!

Signature: _____ **Date:** 11/13/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/7/2011 Time: 10:40

Interior of Blower Enclosure as Delivered by Fliteway Inc. to RECON.

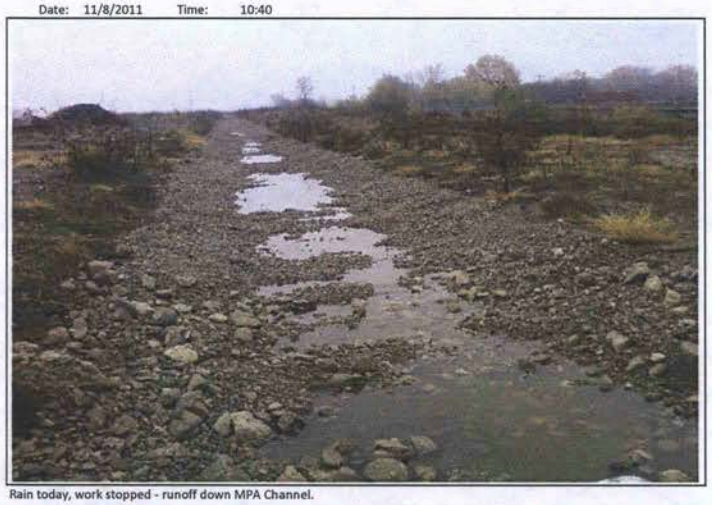
Date: 11/7/2011 Time: 14:23

Aeration pattern when blower was first started w/ no flow balancing - showing end most aeration cell.
Note: A very even and well distributed aeration pattern.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/8/2011 Time: 10:40



Rain today, work stopped - runoff down MPA Channel.

Date: 11/9/2011 Time: 12:10

Site Remains Wet, no on-site work is possible.

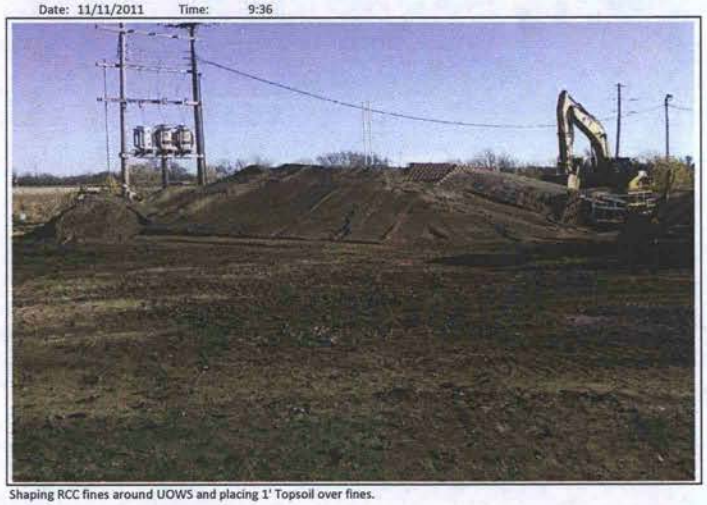
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/10/2011 Time: 13:17

Placing Rip Rap around Stage I Wetlands

Date: 11/11/2011 Time: 9:36



Shaping RCC fines around UOWS and placing 1' Topsoil over fines.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	11/14/11	11/15/11	11/16/11	11/17/11	11/18/11	11/19/11	11/20/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

<——Continue to cover, grade, spread topsoil on UOWS.
Gravel is delivered to MPA by Cornejo - for Wetlands Stage I————\
RECON is hauling and spreading wetlands gravel into Stage I
Young Electric installing electrical wiring to UOWS
Dozer hit's electrical panel while grading around Stage II Wetlands.
Installing & Painting Metals Precip Basin railing.
Hazard Hunt - on-site safety review.
Flow to Stage I Wetlands ———>
<——DRY————————————————————————————————>

SHIFT / HOURS WORKED

	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	0.5	None

WEATHER

	Cloudy	Clear	Snow Flurry	Clear Cool	Mstly Cldy	Mstly Sunny	Sunny

TEMPERATURES

	60's	60	Mid 40's	23	60's	40's	50's

PRECIPITATION

	None	None	0	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Cover UOWS w/ topsoil add step blocks, Cornejo delivering wetlands gravel to MPA, Young Electric is installing wiring to UOWS.
Tue - Continue to install gravel in Stage I, Grading out gravel as unloaded by off-road trucks in Stage I
Wed - Cornejo delivering more wetlands gravel to MPA, Continue to load/haul/install gravel into Stage I
Thur - Cornejo delivers last gravel, finished install of Stage I gravel, finished Rip Rap in Stage I. Dozer hit electrical junction box near Stage II.
Fri - Hazard hunt to refocus on Safety, Continued Grading around Stage II, Installing & painting rails around Metals Precip Basin.
Sat - Checked on-site to see IF we had flow from Metals Precip Basin to Stage I Wetlands - flow is occuing!

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:
Needed more gravel for Stage I Wetlands Media fill to 1.5'

DESIGN RESOLUTIONS:
Imported gravel from Cornejo.

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Operate Wetlands with flow through, UOWS, Metals Precipitation Basin, Stage I and Stage II Wetlands!
Seeding of Stage II Wetlands Benches - now pumped back down...
Vac out move temp OWS/ remove temp pipe line
Demolition of lift stations/compressor block building/ other equipment on north side of Primary Pond.

Signature: _____ Date: 11/20/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

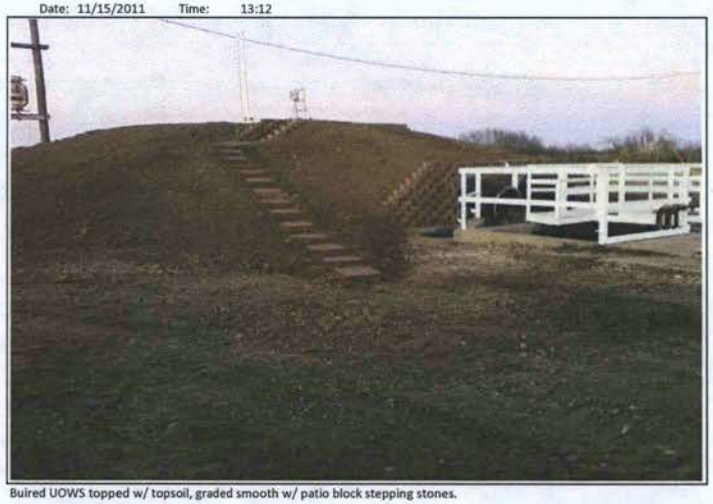
Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/14/2011 Time: 12:40

Covering UOWS w/ Topsoil and grading smooth.

Date: 11/15/2011 Time: 13:12



Buired UOWS topped w/ topsoil, graded smooth w/ patio block stepping stones.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/16/2011 Time: 8:30

Cornejo (RECON subcontractor) is delivering gravel to finish Stage I Wetlands.
RCC Fines is the screened material to fine for use in the Wetlands RCC Media, is piled in the back of the photo.

Date: 11/17/2011 Time: 11:30

RECON is spreading out the delivered wetlands grade gravel in Stage I.

Photolog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

Date: 11/18/2011 Time: 12:30

Photo from top of UOWS looking over top of Cascade Aeration tubes, painted railing (prior to modifications).

Date: 11/19/2011 Time: 10:10

Discharge from Metals Precipitation Basin to NW Corner of Stage I Vertical Flow Wetlands - soon after flow started.

MWH WEEKLY RESIDENT ENGINEERS REPORT

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	11/21/11 Monday	11/22/11 Tuesday	11/23/11 Wednesday	11/24/11 Thursday	11/25/11 Friday	11/26/11 Saturday	11/27/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
<---	Drain & move temp OWS to DECON pad.						
	AES Seeding Wetland Benches in Stage II						
	Yound Electric installing heaters in Breaker box						
	RECON Moved Bentonite to DECON pad, adjusted gates in HCS's, and began demo by Primary Pond.						
		Fixed site electrical wiring, Aeration Blower now works.					
			RECON ROTATION——THANKSGIVING——>				
<---	DRY——>						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	None	None	None	None	None
WEATHER							
	Clear	Clear	0	0	0	0	0
TEMPERATURES							
	40's	40	0	0	0	0	0
PRECIPITATION							
	None	~1/3 inch	None	None	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Site is wet from Weekend Rains, Pumping Water and drying site soils. Move some stockpiled concrete/rock to former Primary Pond.
Tue - Continued placing compacted clay borrowed from Berm between Primary and West Oxidation into Wetlands.
Wed- Thanksgiving BREAK/ROTATION NO WORK TILL NEXT WEEK

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS
SITE CONCERNS:
RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS
DESIGN CONCERNS:
DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED
SAMPLING
INSPECTION
SUBMITTAL
SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS
SUBMITTAL CONCERN:
RESOLUTIONS:

UPCOMING ACTIVITIES
UPCOMING ACTIVITIES:
Final Grade Wetlands Stages I and II
Install (Spread) and mix into upper 6" of clay - Bentonite (Pond Seal) that was delivered this week.
Rotation next week (Short Week)

Signature: _____ Date: 11/27/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/21/2011 Time: 10:40

Hogoboom on-site vacuming out the temp OWS prior to moving onto DECON Pad by RECON.

Date: 11/21/2011 Time: 10:50

RECON is relocating empty product storage tank to DECON Pad, Product removed by Hogoboom is replaced once the tank has been safely moved to the DECON Pad.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/21/2011 Time: 15:25

Extended Guardrail on the north end of Metals Precip Basin, protects workers on the cascade aeration mound.

Date: 11/21/2011 Time: 17:20

Tracks are from AES as they broadcast wetlands seeds across exposed Stage II Wetlands benches.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/22/2011 Time: 14:40

Bentonite Bulk Bags received and unloaded north of Stage I wetlands.

Date: 11/22/2011 Time: 15:17

Recovered Seep Trench and MPA Basin groundwater discharging from Cascade Aerators into Metals Precipitation Basin.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	11/28/11	11/29/11	11/30/11	12/01/11	12/02/11	12/03/11	12/04/11
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

MAJOR ACTIVITIES GNATT CHART SUMMARY

<——RECON Rotation\

Continue Demo North of Primary Pond

Demo Lift Station, Discover Leak

Grout API Sump

Pumping Down SE Pond for ESS-13 Install

ESS-13 Installation

Silt Fencing Installation

MPA Basin Erosion Repairs to MPA Basin and Channel.

Pester Materials to Primary Pond

<——DRY——Rain on Sat——>

SHIFT / HOURS WORKED						
None	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER						
0	Clear	Clear	Clear	Sunny	Mstly Cloudy	Sunny
TEMPERATURES						
0	40's	40's	20's	45	40's	80's
PRECIPITATION						
None	None	0	0	None	~0.75	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:

Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:

Mon - RECON on Rotation

Tue - Demo continue N. or Primary Pond, Pumping down SE Pond for ESS-13 application, Demo Lift Station

Wed - Demo of Lift Station creates leak into Primary Pond, Plugging of API Sump w/ Grout (after pumping down API / Metals Precip Basin)

Thur - Finished pumping down SE Pond, Applied ESS-13, Preping for Pilot Stabilization Test in West Oxidation Pond - NE Corner

Fri - Installing Silt Fence next to River Chain Link Fencing, Temporary Seeding and Fertilizing, Inspected Stockpiled Rubble on Pester Site

Sat - RECON moved Pester Concrete Rubble into Primary Pond.

MEETINGS

MEETINGS:

Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Continue Temp Seeding and Fertilizing

Perform Stabilization Pilot Test

Signature: Stuart B. Klaus

Date: 12/4/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 11/29/2011 Time: 12:47

Demo of area north of Primary Pond, Lift Station Sump is under bucket and is being removed.

Date: 11/30/2011 Time: 15:35

Installing Grout into south end of Metals Precip Basin, leak was discovered in pipeline plugged to Lift Station.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/1/2011 Time: 15:25

Demolition nearly complete north of Primay Pond, WEMCO is loose and ready to scrap.

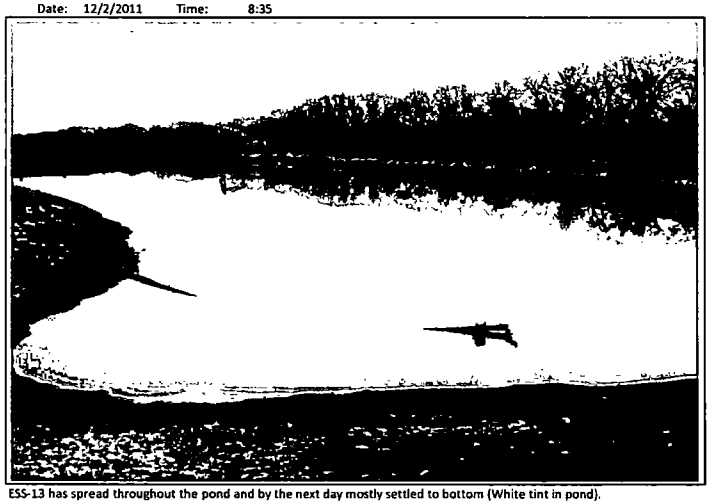
Date: 12/1/2011 Time: 18:45

RECON is adding ESS-13 to SE Pond, ESS-13 is designed to seal leaking ponds

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

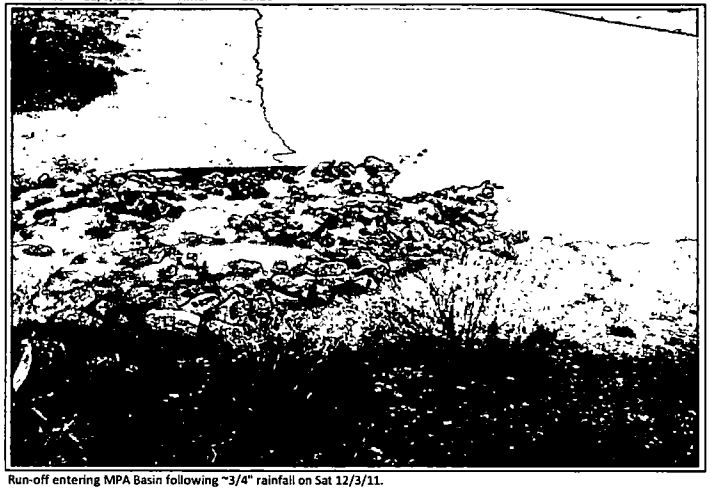
MWH

Date: 12/2/2011 Time: 8:35



ESS-13 has spread throughout the pond and by the next day mostly settled to bottom (White tint in pond).

Date: 12/3/2011 Time: 10:10



Run-off entering MPA Basin following ~3/4" rainfall on Sat 12/3/11.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	12/05/11 Monday	12/06/11 Tuesday	12/07/11 Wednesday	12/08/11 Thursday	12/09/11 Friday	12/10/11 Saturday	12/11/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
<------	Laying out Grids and Prep for Field Scale Pilot Testing of Stabilization						
<------	Finish Pester Hauling		Clean Temp OWS				
		Deliver Grade 120 Slag & Portland to Cells A & B					
			Mix Grade 120 Slag & Portland into Cells A & B				
				Deliver Grade 100 Slag & Portland to Cells C & D			
					Mix Grade 120 Slag & Portland to Cells C & D		
			Installing New Railing on Metals Precip Basin				
				Young Electric on-site intalling lighting			
<------	DRY ------>						
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	0700 to 1800	0700 - 1700	None	None
WEATHER							
	.Cloudy	Clear	Clear Cold	Cool	clear	Mstly Sunny	Sunny
TEMPERATURES							
	30's	Teens!	18	20's	45	40's	40's
PRECIPITATION							
	None	None	0	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
Mike Davidson	"	Roger Huth	"
Doug Mick	"	Steve Hickman	"
Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Site is wet from Weekend Rains. Move Pester concrete to former Primary Pond. Laid-out Pilot Test cells.
Tue - Received Grade 120 Slag and Portland Cement, Slag trucks are very dusty stop work and cover - takes hours to unload truck! Leave @ 10:30
Wed - Mixing Grade 120 into Cells A & B that unloded yesterday, RECON installing Railing on S. End of Metals Precip Basin.
Thur - Receive Grade 100 Slag - trucks unload in 2 hrs into cells C & D
Fri- Mixing in Grade 120 Slag into Cells C & D, collected samples, took field penetrometer readings, cleaned up site.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

RECON collected samples in cylinders from C and D Grids - put in wet constant temp bath in office

INSPECTION

RECON Performed Pocket Pentrometer Tests on Grids A and Grid B on in-place stabilized Materials - 17.5 PSI min reading

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

Site Clean-up / Winter Mothballing

Remove Piping from Outfall 002 to river.

Move STF Stockpiles

Signature: _____ **Date:** 12/11/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/6/2011 Time: 9:45

Temps got to ~15F, ponds froze but aeration lines keeps water from freezing and continue to aerate water.

Date: 12/6/2011 Time: 16:12

Placing Portland cement into Pilot Test Cells

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/7/2011 Time: 15:25

Iron Slag Spread out from delivery with Pneumatic Bulk truck.

Date: 12/8/2011 Time: 18:45

Unloading Grade 100 BFS into Cells C and D

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/9/2012 Time: 14:40

Pocket penetrometer testing of stabilized test cylinders

Date: 12/9/2011 Time: 10:10

Stabilized Cells C and D - final surface.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	12/12/11 Monday	12/13/11 Tuesday	12/14/11 Wednesday	12/15/11 Thursday	12/16/11 Friday	12/17/11 Saturday	12/18/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	<------ Removed Outfall 002 piping to river						
	Reparing MPA Basin SW Piping - leak on backwash line.						
		Finished Repair					
			RAIN OUT				
				RECON South Tank Farm Demoltion			
					ACM abates Knock Lab Floor, disposes of ACM.		
		Checked Stabilized Sediment Strength w/ Pocket Penetrometer.					
	<------ DRY	------Rainy	----RAIN OUT	------Wet but Working	------>		
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 0900	0700 to 1800	0700 - 1700	None	None
WEATHER							
	Cloudy	Rainy	Rainy	Clear	Clear	Mstly Sunny	Sunny
TEMPERATURES							
	30's	40	65	40	45	40's	30's
PRECIPITATION							
	None	None	Raining	0	None	None	None

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
Stuart Klaus	MWH Americas Inc.	Jon Richardson	RECON
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Jerold Nordemeyer	"	Oscar Gonzalez	"
Brian Kellman	El Paso Corp.	Nicolas Gonzalez	"
Jason Dremsa	Applied Ecological Services Inc.	Justino Gonzalez	"
		Matt Meyers	"

SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Removed Outfall 002 steel piping to river, Finding/reparing PVC piping leak on MPA SW Basin piping, Young Electric Install Electrical.
Tue - Begin to haul AHA Soil Piles to Primary Pond, Checked Strength on Stabilized Pilot Test Soils, finish piping repair.
Wed - Rain-out w/ lightning.
Thur - RECON begins STF demolition, removing concrete and metal fencing, concrete rubble going to Primary Pond.
Fri - ACM abating floor tiles on Knock Lab slab, then RECON Demoe'd slab & hauled broken concrete to Primary Pond. ACM disposed ACM.

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:
Capping of Primary Pond is not planned, can use primary pond to Stage AHA soil piles - but soil should end up in West Oxidation Pond.
We could ask KDHE to cap Primary Pond and then we could utilize Primary Pond, but that would require change.

RESOLUTIONS:
RECON will wait to haul AHA Soil

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:
Finish Electrical Install so Call-out system works this winter...
Send Samples to Lab
De-Mobe

Signature: _____ Date: 12/18/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/12/2011 Time: 9:30

Reparing MPA Basin Piping, SW circulation piping is leaking when circulating SW to top of MPA Basin.

Date: 12/13/2011 Time: 12:13

Piping is repaired and is being backfilled around in MPA Basin SW and GW Sumps

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/15/2011 Time: 13:41

RECON is demolishing the NE Corner of the STF, including former Knock lab slab (once Asbestos Floor tile is abated).

Date: 12/15/2011 Time: 14:52

Young Electric is installing float in the GW and SW Sumps and Wireless link to Main Panel near Wetlands.

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/16/2011 Time: 11:45

ACM is removing Asbestos containing floor tile from Former Knock lab slab - prior to RECON Demolishing

Date: 12/16/2011 Time: 15:00

RECON is demolishing and loading up STF Knock Lab floor slab and hauling to the Primary Pond.

MWH WEEKLY RESIDENT ENGINEERS REPORT

MWH

SITE: FORMER EL PASO REFINERY
LOCATION: El Dorado, Kansas

Date:	12/19/11 Monday	12/20/11 Tuesday	12/21/11 Wednesday	12/22/11 Thursday	12/23/11 Friday	12/24/11 Saturday	12/25/11 Sunday
MAJOR ACTIVITIES GNATT CHART SUMMARY							
	<------ Young Electric Finishing Electrical	------\					
		RAIN-OUT					
			RECON FINAL DAY----	WINTER BREAK/ ROTATION	----------	---------->	
	<------ RAIN WET	-------RAINING	----------	----------	----------	----------	---------->
SHIFT / HOURS WORKED							
	0700 to 1700	0700 to 1730	0700 to 1800	NONE	NONE	None	None
WEATHER							
	Cloudy	Clear	Clear	0	0	0	0
TEMPERATURES							
	30	95	18	0	0	0	0
PRECIPITATION							
	Raining	None	0	0	0	0	0

PARTIES ON SITE	PARTIES ON SITE (Cont'd)
MWH Americas Inc.	RECON

PERSONEL / VISITORS		PERSONEL / VISITORS (Cont'd)	
Name	*Company*	*Name*	*Company*
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SAFETY

SAFETY MEETING:
Daily Meetings at 7:00 - See RECON Dailies for RECON Details / No Incidences or Recordable Events

EQUIPMENT / MATERIALS

ONSITE	RECEIVED	RECEIVED	RECEIVED	REMOVED
See RECON Daily				

DAILY ACTIVITIES

ACTIVITIES:
Mon - Site is wet, raining Yound Electric working on Electrical as possible, RECON De-mobing
Tue - RAIN-OUT
Wed - Young Electric on-site finishing Electrical Installation, RECON (Oscar is last one) demobes for winter break.
Thur - RECON LEFT FOR WINTER NO WORK
Fri- "

MEETINGS

MEETINGS:
Monday 9:30 AM CF Call.

MWH DAILY RESIDENT ENGINEERS REPORT

SITE CONSTRUCTION CONCERNS AND RESOLUTIONS

SITE CONCERNS:

RESOLUTIONS:

DESIGN CONCERNS AND RESOLUTIONS

DESIGN CONCERNS:

DESIGN RESOLUTIONS:

SAMPLING, INSPECTIONS, SURVEYS, AND SUBMITTALS & OTHER ITEMS/DOCUMENTS RECEIVED OR PERFORMED

SAMPLING

INSPECTION

SUBMITTAL

SURVEY

SUBMITTAL OR OTHER CONCERNS AND/OR RESOLUTIONS

SUBMITTAL CONCERN:

RESOLUTIONS:

UPCOMING ACTIVITIES

UPCOMING ACTIVITIES:

RECON has Demobed until next year! END OF 2011 ACTIVITIES!

Signature: _____ **Date:** 12/25/2011

Stuart B. Klaus, P.E.
Supervising Geological Engineer
Resident Engineer

Phototlog: El Dorado Refinery Pond Closure
Site: El Paso Former Refinery
Location: El Dorado, KS

MWH

Date: 12/19/2012 Time: 8:15

Raining fairly hard, run-off from site into MPA Channel then into MPA Basin.

Date: 12/20/2011 Time: 8:30

MPA Basin is nearly full to emergency overflow (~1297)

El Dorado Pond Closure
Multiple Day Activity Report
13 Mar 2012 - 16 Mar 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

13 Mar 2012: Pumping Water from West Oxidation prior to beginning stabilization, working on a new entrance to AHA Area, RECON is working on JSA's. Checked Wetlands Stage II has water over benches will need to pump down soon for plant growth

Stage II Wetlands, will soon need pumped down

14 Mar 2012: Started to move AHA Stockpiled soils to Primary Pond, Spreading soils in Primary Pond. RECON continues to pump water from West Oxidation Pond to Metals Precipitation Basin (and rest of water treatment system). RECON pumping from Stage II to Stage III (SE Pond).

Loading AHA Stockpiled Soils in AHA Area

Spreading AHA Stockpiled Soils into Primary Pond

16 Mar 2012: Continued to remove water from the West Oxidation Pond. Also constructing berms across the West Oxidation Pond to block water.

Building berm across the West Oxidation Pond to contain water

Daily planning board

4.1: AHA Pit and Pile Activities

15 Mar 2012: Moving AHA Soil Piles to the Primary Pond

AHA piles being excavated and transported to the Primary Pond

View of AHA Piles

16 Mar 2012: Repairing compacting roller. A new roller bill be delivered today. Once the new roller is installed, Recon will resume moving AHA soil piles.

Safety Items

13 Mar 2012: None

14 Mar 2012: *No items noted*

15 Mar 2012: Daily Meeting, Excavation and Heavy Equipment Safety

16 Mar 2012: Safety Meeting @7:00

Schedule

13 Mar 2012: *No items noted*

14 Mar 2012: *No items noted*

15 Mar 2012: May start to berm across West Oxidation Pond

16 Mar 2012: Construct berm across the West Oxidation Pond; move AHA soil piles

Equipment at the Site

13 Mar 2012: Recon is still mobilizing equipment to the site see RECON Daily for status.

14 Mar 2012: See RECON Daily.

15 Mar 2012: Off road trucks, bull dozer, excavator, backhoe - see Recon's daily report for details

16 Mar 2012: Off road trucks, excavator, dozer, roller, water truck, pumps - see Recon's daily report for more details.

Unusual Items/Changes

13 Mar 2012: *No items noted*

14 Mar 2012: Begin to Haul AHA Soils to Primary Pond, Start earthwork in 2012.

15 Mar 2012: Supposed to receive Compactor and Water Truck today

16 Mar 2012: Waiting on repairs to broken roller so moving AHA soil piles can resume.

Other Notes

13 Mar 2012: *No items noted*

14 Mar 2012: *No items noted*

15 Mar 2012: *No items noted*

16 Mar 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
19 Mar 2012 - 23 Mar 2012

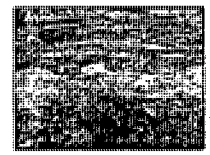
Work Activities

3.1: West Oxidation Pond Closure and Stabilization

19 Mar 2012: Wet conditions due to AM rain.

20 Mar 2012: Wet conditions due to rain.

21 Mar 2012: Wet conditions due to AM rain. MPA Spring has re-surfaced following the recent and ongoing rainfall.



MPA Spring has broken through ground surface and is flowing.

22 Mar 2012: Wet conditions due to AM rain.

23 Mar 2012: Wet conditions due to AM rain.

4.1: AHA Pit and Pile Activities

19 Mar 2012: Wet conditions due to rain 2" of rain.

20 Mar 2012: Wet conditions due to Rain. RECON is Pumping Water.

21 Mar 2012: Wet conditions due to AM rain. Recon is resuming soil pile movement. Radar showing additional rain due later today.

Wet Site view is North across MPA Basin

22 Mar 2012: Wet conditions due to AM rain. Recon is resuming soil pile movement. Radar showing additional rain due later today.

23 Mar 2012: Wet conditions due to AM rain. Recon is resuming soil pile movement. Radar showing additional rain due later today.

RECON pumping water - wet site.

Safety Items

19 Mar 2012:	Safety Meeting @7:00
20 Mar 2012:	Safety Meeting @7:00
21 Mar 2012:	Safety Meeting @7:00
22 Mar 2012:	Safety Meeting @7:00
23 Mar 2012:	Safety Meeting @7:00

Schedule

19 Mar 2012:	Berm Across West Ox, Pump Water, Move AHA Soil Piles
20 Mar 2012:	Berm Across West Ox, Pump Water, Move AHA Soil Piles
21 Mar 2012:	Berm Across West Ox, Pump Water, Move AHA Soil Piles
22 Mar 2012:	Berm Across West Ox, Pump Water, Move AHA Soil Piles
23 Mar 2012:	Berm Across West Ox, Pump Water, Move AHA Soil Piles

Equipment at the Site

19 Mar 2012:	Off road trucks, excavator, dozer, roller, water truck, pumps - see Recon's daily report for details.
20 Mar 2012:	Off road trucks, excavator, dozer, roller, water truck, pumps - see Recon's daily report for details.
21 Mar 2012:	Off road trucks, excavator, dozer, roller, water truck, pumps - see Recon's daily report for details.
22 Mar 2012:	Off road trucks, excavator, dozer, roller, water truck, pumps - see Recon's daily report for details.
23 Mar 2012:	Off road trucks, excavator, dozer, roller, water truck, pumps - see Recon's daily report for details.

Unusual Items/Changes

19 Mar 2012:	*No items noted*
20 Mar 2012:	*No items noted*
21 Mar 2012:	MPA Spring was observed to have resurfaced.
22 Mar 2012:	*No items noted*
23 Mar 2012:	Rain During the day, pumping water from low areas of site.

Other Notes

19 Mar 2012:	*No items noted*
20 Mar 2012:	*No items noted*
21 Mar 2012:	*No items noted*
22 Mar 2012:	*No items noted*
23 Mar 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
02 Apr 2012 - 04 Apr 2012

Work Activities

3.4: Stabilize all Placed Sediments

03 Apr 2012: RECON is performing a limited treatability study to see if different ratios perform better with more liquid sediments.

Sediments and reagents

Test cylinders.

04 Apr 2012: Stabilizing cells A9, B6, B7, and B8. RECON leaves for rotation.

Unloading slag into cells.

4.1: AHA Pit and Pile Activities

02 Apr 2012: Stabilizing sediments in West Oxidation Pond. Stabilizing Cells C3, C4, A7, and A8.

Unloading Slag into cells.

Stabilizing or mixing cell.

Excavators are stabilizing in the West Oxidation Pond.

Sampling stabilized materials for QA/QC testing.

03 Apr 2012: RE-mixing cells B-1, C1, C2, and C3 - splitting one truck between two cells.

Unloading slag truck, and Portland cement truck.

Mixing Cells.

Roll-offs for keeping Portland and/or extra BFS dry.

4.2: Existing Stabilized and Stockpiled AHA material to SW Pond (1)

02 Apr 2012: Reddi-Industries cleaned out Stage 1 drain lines.

Placing AHA Soils in the Primary Pond.

RFI or Out-of-Scope

04 Apr 2012: MPA Spring placed booms on discharge path to MPA Channel, added straw bales, and shoveled up tar from flow path.

Adsorbent booms placed along flow path of spring.

Strawbales placed at spring mouth.

Tar from Springs added to West Oxidation Pond

Safety Items

02 Apr 2012: None observed

03 Apr 2012:	None observed
04 Apr 2012:	None observed

Schedule

02 Apr 2012:	continue moving AHA soil piles and dewatering the West Oxidation Pond
03 Apr 2012:	continue moving AHA soil piles and dewatering the West Oxidation Pond
04 Apr 2012:	continue moving AHA soil piles and dewatering the West Oxidation Pond

Equipment at the Site

02 Apr 2012:	Same as before - see Recon's daily for details.
03 Apr 2012:	Same as before - see Recon's daily for details.
04 Apr 2012:	Same as before - see Recon's daily for details.

Unusual Items/Changes

02 Apr 2012:	None
03 Apr 2012:	None
04 Apr 2012:	None

Other Notes

02 Apr 2012:	*No items noted*
03 Apr 2012:	*No items noted*
04 Apr 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
10 Apr 2012 - 13 Apr 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

10 Apr 2012: Stabilization in Cells C4, C5, C6, and B-9

Placing Slag Into Cell

Effective Dust Control Measures Being Taken

11 Apr 2012: Mixing & Stabilizing 6 Cells Today - Details from Mike Davidson's Notes:

Placing Materials

Dry delivery of Portland cement

12 Apr 2012: Stabilizing Multiple Cells, D7, F4, F5, F7 - suspended due to rain Slag unloaded into roll-offs.

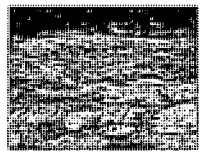
Work planned for the day

Wet / muddy conditions

13 Apr 2012: Stabilizing additional cells; F6, F8, F9, D0, D-1, D-2

Pneumatic Delivery of Iron Slag, note gray Portland is already in the cell

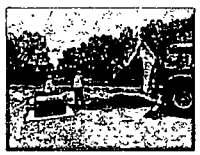
Excavator is unloading roll-off box which was filled after yesterday's storms stopped direct placement of Iron Slag.



Stabilized Grid.

RFI or Out-of-Scope

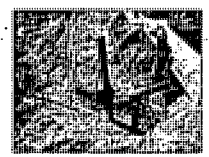
11 Apr 2012: Modifications to MPA Basin sumps (Stormwater and groundwater)



MPA Basin Sump repairs

12 Apr 2012: Worked on MPA Basin Groundwater and Stormwater Sumps - Replacing Piping with Steel and HDPE piping

13 Apr 2012: RECON is repairing/replacing the PVC at the MPA Sump with HDPE.



MPA Basin Sump PL Repairs.

Replacing PL with HDPE into GW Vault.

Safety Items

10 Apr 2012:	None
11 Apr 2012:	None Noted
12 Apr 2012:	Wet slippery site, possible Stuck Vehicles after rainfall
13 Apr 2012:	Possible additional storms today

Schedule

10 Apr 2012:	Continued Stabilization, May fix MPA Basin Piping soon.
11 Apr 2012:	Continued stabilization and MPA Sump repairs.
12 Apr 2012:	8 cells to stabilize
13 Apr 2012:	More significant rain forecast for Saturday, desire to test AHA Soils/Added Portland Field Trials on Monday

Equipment at the Site

10 Apr 2012:	Added a Third Excavator - Removed one Off-Road Truck
11 Apr 2012:	Several track hoes and off road trucks. See Recon daily report for details.
12 Apr 2012:	Unchanged - See RECON daily
13 Apr 2012:	Now have 3 Pneumatic delivery dust control devices (I Filter Box, 2 separation cyclones)

Unusual Items/Changes

10 Apr 2012:	Discussions of Pocket Pen results on Field Bench Test Sample Results
11 Apr 2012:	*No items noted*
12 Apr 2012:	Thunderstorms from ~11:30 to 2:30, received ~1/2" of rainfall
13 Apr 2012:	Yesterdays storms have impacted the delivery schedule for today.

Other Notes

10 Apr 2012:	*No items noted*
11 Apr 2012:	*No items noted*
12 Apr 2012:	None
13 Apr 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
16 Apr 2012 - 20 Apr 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

16 Apr 2012: Stabilized 7 cells today in rows D, F, and G. Mixed a test grid w/ 25% AHA Pit Soils, 15% BFS, and 5% Portland.

Pocket penetrometer testing

Pocket Penetrometer close-up.

Mixed grid cell.

Portland Storage Bucker - roll-off was not working.

17 Apr 2012: Stabilized 8 cells today. Also performed a test Trench on two cells, first cell mixed today was mostly dry and well mixed - but at very bottom some sludge was found (small amount). Second test trench in adjacent cell that was mixed previous day - was well mixed from top to bottom.

Unloading BFS.

Test trench excavated in one of the stabilized cells

Material that was excavated from the test trench

Preparing soils samples for QA/QC testing.

18 Apr 2012: Stabilization if 9 cells today Cells in Row F and I - 10th cell lacked Portland will have to be mixed tomorrow. 10 loads of Slag delivered. 3 loads of Portland Cement. Pushing AHA pile soils away from Power lines for loading.

Unloading Slag Truck.

Two track hoes mixing separate cells

Mixing sediment / stabilizing agents

Pushing soils away from power lines for loading.

20 Apr 2012: Stabilization of 9 cells today, in Grids G and H, nine BFS trucks, and three trucks of Portland mixed 9 cells. RECON also backfilled along MPA Basin - repaired clean-outs that were seeping.

Unloading Slag Trucks.

Mixing foreground cell, unloading slag in background.

Backfilled Clean-out.

Safety Items

16 Apr 2012:	None observed
17 Apr 2012:	None observed
18 Apr 2012:	Wind was increasing through day, increasing dust monitoring and control measures.
20 Apr 2012:	Strong South Wind

Schedule

16 Apr 2012:	continued stabilization
17 Apr 2012:	Will be installing 2" PVC pipeline from HCS#2 to HCS#3
18 Apr 2012:	Continue West Pond Stabilization.
20 Apr 2012:	Continue West Pond Stabilization.

Equipment at the Site

16 Apr 2012:	Track hoes, off road trucks...see Recon's daily report for details.
17 Apr 2012:	Unchanged - see Recon's daily report
18 Apr 2012:	Same as Prior - See RECON Daily
20 Apr 2012:	Same as Prior - See RECON Daily

Unusual Items/Changes

16 Apr 2012:	Started to Stabilize using 5% Portland, 13.5% BFS, and 25% add-mixture of Clay Soils
17 Apr 2012:	Stabilizing three more cells using 5% Portland, 13.5% BFS, and 25% add-mixture of Clay Soils
18 Apr 2012:	Nothing noted
20 Apr 2012:	*No items noted*

Other Notes

16 Apr 2012:	*No items noted*
17 Apr 2012:	*No items noted*
18 Apr 2012:	*No items noted*
20 Apr 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
23 Apr 2012 - 27 Apr 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

23 Apr 2012: Stabilization of 9 cells mixed today in grids G, F, and J, eight BFS trucks, and three trucks of Portland. RECON repaired seeping clean-out on GW discharge line from MPA GW Sump to UOWS.

Unloading Slag from truck w/ Slag box.

Trucks moving on the stabilized sediment and former Primary Pond.

Mixing cell while unloading in another grid.

Portland Cement is unloaded under a tarp for dust control.

Clean-out repair on GW PL.

Stabilized sediment samples - various mixes of AHA Soil / Portland Cement / BFS.

Test trench dug to verify effective stabilization and complete mixing.

Cement Storage Bunker w/o tarp cover.

Pocket Penetrometer QA/QC readings.

Stabilized cell.

23 Apr 2012: Stabilization of 9 cells mixed today in grids G, F, and J, eight BFS trucks, and three trucks of Portland. RECON repaired seeping clean-out on GW discharge line from MPA GW Sump to UOWS.

Unloading Slag from truck w/ Slag box.

Trucks moving on the stabilized sediment and former Primary Pond.

Mixing cell while unloading in another grid.

Portland Cement is unloaded under a tarp for dust control.

Clean-out repair on GW PL.

Stabilized sediment samples - various mixes of AHA Soil / Portland Cement / BFS.

Test trench dug to verify effective stabilization and complete mixing.

Cement Storage Bunker w/o tarp cover.

Pocket Penetrometer QA/QC readings.

Stabilized cell.

24 Apr 2012: Stabilization of 8 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row I and one row K cell today

25 Apr 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row J and K today

Ongoing stabilization

26 Apr 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row H today

Unloading Slag Truck.

Unloading Cement Truck.

Mixing / stabilizing cells.

AHA Pit soils staged for mixing with sediments in AHA Pond.

Laying out cells for tomorrow.

27 Apr 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row L - L1 to L9 today

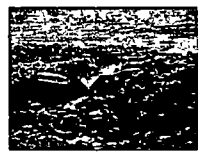
Placing slag in the stabilization cells

Planning for the days trucks

Mixing cells with all reagents.

Pocket Penetrometer testing of stabilized cells.

Surveying to lay-out cell boundaries.

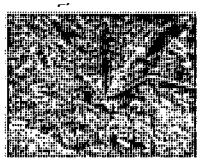


V-notch weir for MPA Spring showing flow.

RFI or Out-of-Scope

24 Apr 2012: RECON excavated and repaired lines installed in Stage I of the Wetlands, that were crushed or had otherwise come apart. Repairs were made to the Inlet to HCS#1, drain line #3 and #6 (counting from the HCS to the west).

25 Apr 2012: RECON excavated and repaired lines installed in Stage I of the Wetlands, that were crushed or had otherwise come apart. Repairs were made to the Inlet to HCS#1, drain line #3 and #6 (counting from the HCS to the west).



Repairs being made to Stage 1 drain pipe

Safety Items

23 Apr 2012:	Light & Variable Winds - dust was collecting in AM, Became Southerly during afternoon.
23 Apr 2012:	Light & Variable Winds - dust was collecting in AM, Became Southerly during afternoon.
24 Apr 2012:	Variable South to Westerly Winds - dust was collecting in AM, Became Southerly during afternoon.
25 Apr 2012:	Variable South to Westerly Winds - dust was collecting in AM, Became Southerly during afternoon.
26 Apr 2012:	Variable South to Westerly Winds - dust was collecting in AM, Became Southerly during afternoon.
27 Apr 2012:	Variable South to south westerly winds, Moderate to low dust for most of unloading.

Schedule

23 Apr 2012:	Continue West Pond Stabilization.
23 Apr 2012:	Continue West Pond Stabilization.
24 Apr 2012:	Continue West Pond Stabilization.

25 Apr 2012:	Continue West Pond Stabilization.
26 Apr 2012:	Continue West Pond Stabilization.
27 Apr 2012:	Continue West Pond Stabilization.

Equipment at the Site

23 Apr 2012:	Same as Prior - See RECON Daily
23 Apr 2012:	Same as Prior - See RECON Daily
24 Apr 2012:	Same as Prior - See RECON Daily
25 Apr 2012:	Same as Prior - See RECON Daily
26 Apr 2012:	Same as Prior - See RECON Daily
27 Apr 2012:	Same as Prior - See RECON Daily

Unusual Items/Changes

23 Apr 2012:	*No items noted*
23 Apr 2012:	*No items noted*
24 Apr 2012:	*No items noted*
25 Apr 2012:	*No items noted*
26 Apr 2012:	*No items noted*
27 Apr 2012:	None noted

Other Notes

23 Apr 2012:	*No items noted*
23 Apr 2012:	*No items noted*
24 Apr 2012:	*No items noted*
25 Apr 2012:	*No items noted*
26 Apr 2012:	*No items noted*
27 Apr 2012:	None noted

El Dorado Pond Closure
Multiple Day Activity Report
26 Mar 2012 - 30 Mar 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

27 Mar 2012: Stabilization of Cell B1 scheduled for tomorrow. Checking depth of sediment in cell. Conducted test trench of previously stabilized test cells.

Checking depth of sediment in cell B1.

Test excavation - material is very hard, rock is broken in excavation of stabilized monlith.

Test trench dug through the stabilized monolith, clay soils underneath produce some water.

28 Mar 2012: Stabilization of Cell B1

Portland Cement placed in Cell B1.

Placing Slag in Cell B1.

3.4: Stabilize all Placed Sediments

30 Mar 2012: Stabilizing Cells A5, A6, C1, - B1 (mixed 2/28) and C1 are both still soft. Discussed with RECON - will discuss on CF call on Monday.

Unloading BFS Slag

Mixing to stabilize sediments.

Inspecting mixed cell.

4.1: AHA Pit and Pile Activities

26 Mar 2012: Continue to move AHA soil piles to Primary Pond.

Compacting AHA soil with a sheep-foot compactor after it was placed in the Primary Pond.

Excavating soils from AHA piles.

27 Mar 2012: Continue to move AHA soil piles to Primary Pond.

Compacting AHA soil with a sheep-foot compactor after it was placed in the Primary Pond.

AHA Piles being moved to Primary Pond.

28 Mar 2012: Continue to move AHA soil piles to Primary Pond.

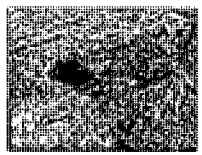
Placed fill in Primary Pond.

29 Mar 2012: Continue to move AHA soil piles to Primary Pond.

Compacting AHA soil with a sheep-foot compactor after it was placed in the Primary Pond.

RFI or Out-of-Scope

26 Mar 2012: Placed booms on recently discovered (following rain event on 3/23) MPA Area Spring. Spring is flowing water w/ some tar in globules and stringers. Tar is thick and sticky. Placed Booms to curtail and contain tar.



MPA Spring flowing to the surface

Booms beneath the MPA Spring, capturing and holding tar.

29 Mar 2012: Reddi-Industries cleaned out Stage 1 drain lines.

Safety Items

26 Mar 2012: None observed

27 Mar 2012: None observed

28 Mar 2012: None observed

29 Mar 2012: None observed

30 Mar 2012: None observed

Schedule

26 Mar 2012: continue moving AHA soil piles and dewatering the West Oxidation Pond

27 Mar 2012: continue moving AHA soil piles and dewatering the West Oxidation Pond

28 Mar 2012: continue moving AHA soil piles and dewatering the West Oxidation Pond

29 Mar 2012: continue moving AHA soil piles and dewatering the West Oxidation Pond

30 Mar 2012: continue moving AHA soil piles and dewatering the West Oxidation Pond

Equipment at the Site

26 Mar 2012: Same as before - see Recon's daily for details.

27 Mar 2012: Same as before - see Recon's daily for details.

28 Mar 2012: Same as before - see Recon's daily for details.

29 Mar 2012: Same as before - see Recon's daily for details.

30 Mar 2012: Same as before - see Recon's daily for details.

Unusual Items/Changes

26 Mar 2012: MPA Spring has surfaced in MPA Area. Spring is flowing water w/ some tar. Booms set to contain tar.

27 Mar 2012: None

28 Mar 2012: None

29 Mar 2012: None

30 Mar 2012: Mixing did not produce a stiff material in cells B1 and C1...Alternatives are being explored and will discuss on Monday's CF call.

Other Notes

26 Mar 2012: *No items noted*

27 Mar 2012: *No items noted*

28 Mar 2012: *No items noted*

29 Mar 2012: *No items noted*

30 Mar 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
30 Apr 2012 - 02 May 2012

Work Activities

2.1: Stage 3 Wetland Construction

02 May 2012: Still waiting for good growth in Stage II benches- but seeing some sprouting of plants.

Seeing some sprouts on the benches in Stage II Wetlands.

3.1: West Oxidation Pond Closure and Stabilization

30 Apr 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row M today (all M cells except M7)

Unloading Portland Cement into storage berm.

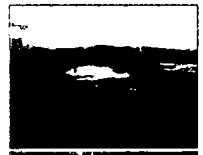
Unloading BFS (Slag) into cells.

Mixing cells - stabilizing grids.

Loading AHA Pit soils into off-road trucks.

Using AHA Pit soils to delineate grids and mix with sediment tommorrow.

01 May 2012: Pumping rain water off stabilized waste to Wetlands. Stabilization of 8 cells today, only 8 BFS trucks and three trucks of Portland. Primarily Stabilizing in Row N today (one cell in Row M)



Pumping Water Pushing Mud from 2" overnight rains.

Moving Portland to cells with excavator.

Mixing cells (Stabilizing)

West Oxidation Pond with sediment still to stabilize. Added water from overnight rains.

Collecting soils samples for QA/QC testing.

Pumping water from west drive ditch berm.

01 May 2012: Tomorrow preparing for 3 Trucks and Grids - Prior to RECON Rotation.

02 May 2012: Stabilization of 3 cells today, only 3 BFS trucks, Stabilizing in Row N today - RECON leaves for Rotation at ~12 noon.

Unloading BFS Slag.

Unloading 2 cells - mixing one cell.

Safety Items

30 Apr 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading.

01 May 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading. Winds increasing with the day.

02 May 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading. Winds increasing with the day.

Schedule

30 Apr 2012: Continue West Pond Stabilization.

01 May 2012: Continue West Pond Stabilization.

02 May 2012: Continue West Pond Stabilization.

Equipment at the Site

30 Apr 2012: Same as Prior - See RECON Daily

01 May 2012: Same as Prior - See RECON Daily

02 May 2012: Same as Prior - See RECON Daily

Unusual Items/Changes

30 Apr 2012: None noted

01 May 2012: 2" Rain overnight!

02 May 2012: Short Work Day - 3 trucks and then RECON leaves for Rotation

Other Notes

30 Apr 2012: None noted

01 May 2012: None

02 May 2012: None

El Dorado Pond Closure
Multiple Day Activity Report
07 May 2012 - 11 May 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

07 May 2012: Stabilization of 8 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row N and O today

Unloading Portland Cement Truck.

Loading Truck with soil from AHA Pit.

Dumping soil from AHA Pit - adjacent next cells to prepare cells using AHA Pit soils to delineate boundaries.

Using excavator bucket/boom to measure depths of sediment in next cells.

08 May 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row O and P today. Doug a test pit today and collected a video of the trenching. Southern end of the West Pond ber

Unloading Slag Trucks.

Mixing (stabilizing) cells with excavators.

Placing AHA Pit soils within the West Pond Sediment as an amendment to assist in stablilization.

09 May 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row P and Q today

Unloading BFS (Slag) from trucks using dust seperators.

View of mixing and stabilization - Looking north from the south end of the West Oxidation Pond

Dumping soils from the AHA pit for admixing in the West Ponds.

10 May 2012: Stabilization of 9 cells today, nine BFS trucks, and three trucks of Portland. Stabilizing in Row Q and R today.

Unloading Slag Trucks.

Loading soils into trucks in the AHA Pit, to admix in the West Pond.

Excavated AHA Pit, current extent of excavation.

Checking Sediment depths in the south end of the West Oxidation Pond.

Mixing cells in West Oxidation Pond.

11 May 2012: Recon continued to stabilize the West Oxidation Pond today. They stabilized cells S1, R6, R10, R7, R4, R9, R5, and R8. They had 8 slag trucks and no cement trucks today. Performed 30 pocket pen samples in-place today.

4.1: AHA Pit and Pile Activities

11 May 2012: Continued to move AHA pit material, stockpiling it in the West Oxidation Pond for use in stabilization. Recon issued a stop work

around 1400 due to light gas odor coming out of bank. PID reading of 8 PPM near some apparent asphaltic material though no detections in breathing zone. Recon to assess the area Monday before proceeding with further activities in the area.

RFI or Out-of-Scope

09 May 2012: Dug up 4" PVC drain line by Decon Slab - was not plugged after electrical work last year. Plugged line and buried back (all fluids on decon pad will now be directed to the main 6" PVC drain line.

11 May 2012: Recon working on HCS #1 today trying to get water to flow better from HCS #1 into Stage 2. The water is flowing in good from Stage 1 but it is not flowing out of HCS #1 into Stage 2 as anticipated. Spent time trying to snake-out the HCS #1 discharge line. Will continue to watch this and may need to address further.

Safety Items

07 May 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading.

08 May 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading.

09 May 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading.

10 May 2012: Variable South to south westerly winds, Moderate to low dust for most of unloading.

11 May 2012: Had shut down due to mild gas odor. Also has shut down at end of day due to lightning.

Schedule

07 May 2012: Continue West Pond Stabilization.

08 May 2012: Continue West Pond Stabilization.

09 May 2012: Continue West Pond Stabilization.

10 May 2012: Continue West Pond Stabilization.

11 May 2012: Continued stabilization.

Equipment at the Site

07 May 2012: Same as Prior - See RECON Daily

08 May 2012: Same as Prior - See RECON Daily

09 May 2012: Same as Prior - See RECON Daily

10 May 2012: Same as Prior - See RECON Daily

11 May 2012: Same as before. See Recon daily reports for details.

Unusual Items/Changes

07 May 2012:	None noted
08 May 2012:	None noted
09 May 2012:	None noted
10 May 2012:	None noted
11 May 2012:	Nothing noted

Other Notes

07 May 2012:	None noted
08 May 2012:	None noted
09 May 2012:	None noted
10 May 2012:	None noted
11 May 2012:	None

El Dorado Pond Closure
Multiple Day Activity Report
14 May 2012 - 17 May 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

14 May 2012: Stabilizing in West Oxidation Pond, Working on Row S and T. Receiving 8 Slag Trucks today - mixed 8 cells today. Continue to Excavate AHA Pit and admix those soils w/ West Pond sediment. Collected Soil Samples for stabilized QA/QC testing.

Unloading Slag trucks into cells in West Oxidation Pond.

Mixing cells in West Oxidation Pond (Stabilizing Sediments)

Stabilized cell, surveying/layin g out of cells in background.

Hauling soils from AHA Pit.

Pocket Penetrometer sampling

15 May 2012: Stabilizing in Row T and U today and started a new cell (BC-1) in the southern-most end of West Oxidation Pond.

Stabilizing Sediment in West Pond - Unloading Slag Trucks.

Stabilizing Sediment in West Pond, Looking NE

Mixing southern cell.

Mixing cells in main pond body.

Loading soil from the AHA Pond for admixing with sediment in the West Oxidation Pond.

16 May 2012: Stabilizing in Row U (3,4,5,6,7,8, and 9), V-1 and southern location (BB-1 and BC-2) in the southern-most end of West Oxidation Pond. 10 Slag loads today, 10 cells mixed. Continue to Haul & Stockpile AHA Pit Soils.

Unloading Slag Trucks and Portland Cement truck on berm.

Mixing southern cells

Southern cells partially mixed.

Mixing cells in West Oxidation - stabilizing sediment.

Loading AHA Pit Berm soils.

Mixing cells between previously stabilized cells.

Placing AHA Pit soils into West Oxidation Sediments in preparation for tomorrow.

Excavator is moving bucket of Portland cement to a cell.

17 May 2012: Stabilizing in Row V/W and 2 southern locations (BA and BB) in the southern-most end of West Oxidation Pond. 10 Loads of slag, 10 cells mixed today. Continue to Haul & Stockpile AHA Pit Soils.

Unloading Slag into cells in West Oxidation Pond.

Unloading more Slag Trucks.

Mixing southern cell with another cell ready to mix.

RFI or Out-of-Scope

14 May 2012: Draining SE Pond to Outfall 001. Pumping down Stage I to Stage II to drain HCS #1 to repair Discharge Pipe from HCS#1 to Stage II inlet. Once sufficient room exists in Stage I RECON will repair (excavate and replace damaged section).

15 May 2012: Pumping Water from Stage I to SE Pond to lower water to make repairs to HCS#1 discharge line to Stage II

16 May 2012: Pumping Water from Stage I to SE Pond to lower water to make repairs to HCS#1 discharge line to Stage II

17 May 2012: Continue to Pumping Water from Stage I to SE Pond to lower water to make repairs to HCS#1 discharge line to Stage II

Pumping out Stage I.

17 May 2012: MPA Spring - CF Call addressed draft design and looked at costs for the installation.

Safety Items

14 May 2012: None noted

15 May 2012: *No items noted*

16 May 2012: *No items noted*

17 May 2012:	*No items noted*

Schedule

14 May 2012:	Continued stabilization
15 May 2012:	Continue to Stabilize, Pumping Water from Stage 1 to repair line from HCS#1 to Stage II Wetlands.
16 May 2012:	Continue to Stabilize, Pumping Water from Stage 1 to repair line from HCS#1 to Stage II Wetlands.
17 May 2012:	Continue to Stabilize, Pumping Water from Stage 1 to repair line from HCS#1 to Stage II Wetlands.

Equipment at the Site

14 May 2012:	See RECON daily Report.
15 May 2012:	See RECON Daily.
16 May 2012:	See RECON Daily.
17 May 2012:	See RECON Daily.

Unusual Items/Changes

14 May 2012:	None noted
15 May 2012:	None.
16 May 2012:	Shot off Water pumps from Seep IT and MPA Basin GW
17 May 2012:	Water pumps from Seep IT and MPA Basin GW kept off for the HCS#1 repair

Other Notes

14 May 2012:	None noted
15 May 2012:	*No items noted*
16 May 2012:	*No items noted*
17 May 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
21 May 2012 - 25 May 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

21 May 2012: Stabilizing in Row X/Y and at southern locations (Row AZ) in the West Oxidation Pond. 9 Loads of Slag / 9 Cells mixed. Continue to Haul & Stockpile AHA Pit Soils.

Unloading Cement truck to storage bunker.

Mixing cells.

Mixing southern cells

Excavating and loading soils from the AHA Pit

Staining on east wall of AHA Pit

Close-up of staining in east wall of AHA Pit.

Preparing cells for tomorrow by adding AHA Pit soils to outside edges of cells

22 May 2012: Stabilizing in Row W/X and at southern locations (Row AZ and BA) in the West Oxidation Pond. Nine Slag Trucks mixed 9 cells today. Continue to Haul & Stockpile AHA Pit Soils.

Unloading Slag truck

Mixing cells.

22 May 2012: Stabilizing in Row W/X and at southern locations (Row AZ and BA) in the West Oxidation Pond. Nine Slag Trucks mixed 9 cells today. Continue to Haul & Stockpile AHA Pit Soils.

Unloading Slag truck

Mixing cells.

23 May 2012: Stabilizing in Row Y and at southern locations (AA1 & BABBB) in the West Oxidation Pond. Only 4 slag trucks today. Continue to Haul & Stockpile AHA Pit Soils.

Southern Locations cells ready for Slag.

Mixing / Stabilizing cell.

Loading trucks at the AHA Pit.

24 May 2012: Stabilizing in Row AA and at southern locations (Row AZ and BA) in the West Oxidation Pond. 9 loads of Slag, 9 cells mixed today. Inspected mostly excavated AHA Pit, some additional asphalt tar containing soils remain and will be removed from the eastern and western edges of the Pit. Drums were found in AHA Pit soils when they were being mixed into the West Oxidation pond sediment.

Unloading Slag Trucks.

Mixing cells / stabilizing - while still unloading other cell.

Current sediment pond left unstabilized, cells are prepared on edges for tomorrow.

Drum found in AHA Pit soils

Another drum from AHA Pit, drums were shredded and mixed with other soil/sediment and slag/portland cement in stabilization mix.

25 May 2012: Stabilizing in Row AU/AR and at southern locations (Row AY) in the West Oxidation Pond. 5 loads of slag today. Excavating additional soils from NW corner of AHA Pit, some additional asphalt tar containing soils were found at some depth (~12-15' BGS) and will be removed from the western side of the Pit.

Unloading Slag Trucks with dust control vacuum boxes.

Mixing cells / stabilizing.

Hauling soils from the AHA Pit.

RECON is removing soils from the AHA Pit.

RECON is stockpiling AHA Pit soils on the stabilized material in the West Oxidation Pond - for use as amendment when stabilizing sediment.

RFI or Out-of-Scope

21 May 2012: Repaired HCS #1 Discharge line to Stage II, water is flowing freely through HCS #1.

22 May 2012: Repaired HCS #1 Discharge line to Stage II, water is flowing freely through HCS #1.

RECON repairing pipeline leading to HCS #1.

Water discharging freely into Stage II - flowing from HCS #1.

Flowing water after cleaning discharge piping.

Current MPA Basin - nearly full of SW.

22 May 2012: Repaired HCS #1 Discharge line to Stage II, water is flowing freely through HCS #1.

RECON repairing pipeline leading to HCS #1.

Water discharging freely into Stage II - flowing from HCS #1.

Flowing water after cleaning discharge piping.

Current MPA Basin - nearly full of SW.

23 May 2012: Pumping Down Stage II following flooding early this week of wetlands.

24 May 2012: Pumping down Stage II of the wetlands after flooding them earlier this week, water is being pumped to HCS#3 and to the SE Pond. Water is almost completely removed by noon (only remains in deeper cells and areas w/o good drainage).

25 May 2012: Continue to pumping down Stage II of the wetlands after flooding them earlier this week, water is being pumped to HCS#3 and to the Stage I. Water is almost completely removed to only the aeration cells (deep Sections). RECON also changed filters in the dust control boxes.

RECON changing filters in dust control boxes.

Safety Items

21 May 2012:	*No items noted*
22 May 2012:	*No items noted*
22 May 2012:	*No items noted*
23 May 2012:	*No items noted*
24 May 2012:	None noted
25 May 2012:	None noted

Schedule

21 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.
22 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.
22 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.
23 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.

24 May 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.

25 May 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.

Equipment at the Site

21 May 2012: See RECON Daily.

22 May 2012: See RECON Daily.

22 May 2012: See RECON Daily.

23 May 2012: See RECON Daily.

24 May 2012: See RECON Daily.

25 May 2012: See RECON Daily.

Unusual Items/Changes

21 May 2012: Water pumps from Seep IT and MPA Basin GW restarted after the HCS#1 repair. Started pumping down the MPA Basin at 8:18 am - typically takes ~24 hrs for the basin to empty.

22 May 2012: Water pumps from Seep IT and MPA Basin GW restarted after the HCS#1 repair. Started pumping down the MPA Basin at 8:18 am - typically takes ~24 hrs for the basin to empty.

22 May 2012: Water pumps from Seep IT and MPA Basin GW restarted after the HCS#1 repair. Started pumping down the MPA Basin at 8:18 am - typically takes ~24 hrs for the basin to empty.

23 May 2012: Water pumps from Seep IT and MPA Basin GW restarted after the HCS#1 repair. Started pumping down the MPA Basin at 8:18 am - typically takes ~24 hrs for the basin to empty.

24 May 2012: Today we were able to only get 9 trucks of BFS, Holcim (slag supplier) is having issues with rail delivery to their KC terminal. A couple of old smashed drums were found in the soil being brought over from the AHA Pit - one contained some tar.

25 May 2012: 9 trucks of BFS, Holcim (slag supplier) has had issues with rail delivery to their KC terminal. RECON will update on Monday.

Other Notes

21 May 2012: *No items noted*

22 May 2012: *No items noted*

22 May 2012: *No items noted*

23 May 2012: *No items noted*

24 May 2012: *No items noted*

25 May 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
29 May 2012 - 01 Jun 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

29 May 2012: Stabilizing in Row AB/AC and at southern locations (Row AZ/AY) in the West Oxidation Pond. 11 loads of slag / 11 cells mixed today. Excavating additional soils from NW corner of AHA Pit, some additional asphalt tar containing soils were found at some depth (~12-15' BGS) and will be removed from the western side of the Pit.

Unloading BFS (Slag) into prepared cell in West Oxidation Pond

Starting to again flood Stage II to help wetlands plant growth.

Mixing West Oxidation Pond Sediment w/ BFS/Portland/AHA Soils

Added soils found in the bottom of the AHA Pit beneath the expected bottom just below grade.

30 May 2012: Stabilizing in Row AB/AC/AD/AE and at southern locations (Row AU/AV) in the West Oxidation Pond. 11 loads of Slag. Excavating additional soils from NW corner of AHA Pit, some additional asphalt tar containing soils were found at some depth (~12-15' BGS) and will be removed from the western side of the Pit.

Unloading Slag truck.

Cell with slag and portland added - Ready to mix/stabilize.

Mixing is ongoingl

Finished mixing cell in foreground.

31 May 2012: 1.5" Rain overnight, pumping water drying site in AM. Stabilizing in Row AB/AC/AD at eight locations (only 8 trucks today) and not at southern locations in the West Oxidation Pond.

Water in AM from rain has collected in West Pond berm on top of stabilized sediment. RECON is excavating a shallow sump in the water - but sediment is very hard!

Water standing in AHA following rainstorm.

Slag trucks waiting to unload due to rain delay.

Pumping water to wetlands.

RECON is scraping off wet upper soils in West Pond.

Unloading slag truck.

Mixing (Stabilizing) cell

01 Jun 2012: Site had dried out quite well from rain ~48 hours ago. Stabilizing in Row AD/AF at six locations (only 6 trucks today) and not at southern locations in the West Oxidation Pond. RECON is leaving ~ noon for rotation.

Unloading slag trucks.

Unloading slag trucks, remaining sediment pond to stabilize.

Mixing cells

Finished cell (stabilized cell)

Current excavation at the AHA Pit.

RFI or Out-of-Scope

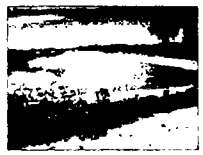
29 May 2012: Wetlands planting expert re-visited the site, wait for more growth in another month. Started to re-flood benches after visit.

30 May 2012: Again Flooding Stage II of the wetlands after Wetlands Inspection on Tuesday. Open HCS #1 Gate and flooding them earlier this week, water is being pumped to HCS#3 from HCS#2 and the SE Pond and to the Stage I. Water is almost completely removed to only the aeration cells (deep Sections).

Discharge to the river from HCS #3. High flows from pumping out SE Pond for conversion to Stage III wetlands.

31 May 2012: Flooding of Stage II Wetlands was helped w/ 1.5" Rain - raised level slightly in HCS #2 to add a few inches of depth over benches. MPA Spring is running w/ some tar in water. MPA Basin is deeper (higher WL elevation) following storms.

MPA Spring



MPA Basin.

01 Jun 2012: Flooding of Stage II Wetlands completed. Switched valves in Stage I and II to drain Stage II over rotation.

Flooded Stage II wetlands -switched to drain over break.

Safety Items

29 May 2012:	None noted
30 May 2012:	None noted
31 May 2012:	None noted
01 Jun 2012:	None noted

Schedule

29 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.
30 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.
31 May 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.
01 Jun 2012:	Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond.

Equipment at the Site

29 May 2012:	See RECON Daily.
30 May 2012:	See RECON Daily.
31 May 2012:	See RECON Daily.
01 Jun 2012:	See RECON Daily.

Unusual Items/Changes

29 May 2012:	11 Trucks!

30 May 2012:	11 trucks of BFS - Lightning Shutdown at 6 - therefore no grids prepared for tomorrow.
31 May 2012:	1.5" of Rain Last Night. Limited Production to 8 trucks
01 Jun 2012:	6 Trucks 1/2 Day RECON leaves for rotation.

Other Notes

29 May 2012:	*No items noted*
30 May 2012:	*No items noted*
31 May 2012:	*No items noted*
01 Jun 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
06 Jun 2012 - 08 Jun 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

06 Jun 2012: Stabilizing in Row AD/AE/AG at 9 locations (9 trucks today) and not at southern locations in the West Oxidation Pond. RECON begins pumping water from Stage III which had already been drained low discharging to the river through HCS #3.

Unloading slag trucks.

Unloading cement truck.

Pumping out SE Pond (Stage III Wetlands)

Loading soil from AHA Pit into haul trucks.

Dumping haul trucks in West Pond, using soil as admixture with sediment, slag, and portland cement to stabilize mixture.

Preparing cells for stabilization tomorrow adding AHA Pit soils.

07 Jun 2012: Stabilizing in Row AG/AH at 9 locations (9 trucks today) and not at southern locations in the West Oxidation Pond.

Unloading slag trucks in West Pond, Cement truck unloading on berm.

Unloading slag into stabilization cells.

Excavators tripping back and forth with buckets of portland cement - prior to mixing.

Mixing sediment with slag, portland cement, and AHA pit soils.

Mixing is nearing completion for the day.

Loading soil from the AHA Pit for admixing with sediment, slag, and portland cement in the West pond.

Stormwater that collected in the AHA Pit.

08 Jun 2012: Stabilizing in Row AG/AH/AI at 8 locations (9 trucks today) and 1 AW southern location in the West Oxidation Pond. Prepped for a southern location on Monday however.

Unloading Slag Trucks.

Mixing for stabilizing sediments

Mixing on the southern end cell.

Hauling soil from the AHA Pit for admixing in West Pond cells.

Cells prepared for adding reagents and mixing tomorrow.

Remaining sediment to stabilize.

RFI or Out-of-Scope

06 Jun 2012: Stage II Wetlands were left to dry out again- - raised level slightly in HCS #2 to add a few inches of depth over benches. SE Pond (Stage III) was pumped nearly dry

07 Jun 2012: Stage II Wetlands were left to dry out again- - raised level slightly in HCS #2 to add a few inches of depth over benches. SE Pond (Stage III) was pumped nearly dry

08 Jun 2012: Stage II Wetlands are still drying out will be left to dry/grow over weekend. SE Pond (Stage III) had last few remaining pothole pumped dry - will hopefully dry-out over the weekend.

Pumping down SE Pond, water is pumping to Stage II Wetlands.

Safety Items

06 Jun 2012: None noted

07 Jun 2012: None noted

08 Jun 2012: None noted

Schedule

06 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

07 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

08 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

06 Jun 2012: See RECON Daily.

07 Jun 2012: See RECON Daily.

08 Jun 2012: See RECON Daily.

Unusual Items/Changes

06 Jun 2012: 9 Slag Trucks, 1 was round-trip so delivery was late (~4 pm).

07 Jun 2012: 9 Slag Trucks, 3 Cement Trucks.

08 Jun 2012: 9 Slag Trucks, all by noon!

Other Notes

06 Jun 2012: *No items noted*

07 Jun 2012: *No items noted*

08 Jun 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
11 Jun 2012 - 15 Jun 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

11 Jun 2012: Stabilizing in Row AH/AI at 7 locations (7 trucks today) and not at southern locations in the West Oxidation Pond. Prepped for a 3 in the southern locations on Tuesday expecting 12 trucks.

Mixing Cell in background AHA Pit soils ready to prepare cells for tomorrow in foreground.

Cell ready for slag and mixing in foreground, short trucks today not all cells prepared were mixed today.

12 Jun 2012: Stabilizing in Row AH/AI/AJ/AK/AL at 9 locations and at 2 southern cell locations (11 trucks today) in the West Oxidation Pond. Prepped for 3 cells in the southern locations on Wednesday expecting 9 to 11 trucks.

Unloading portland cement truck.

Preparing cell for mixing tomorrow.

Surveying stabilized cells, laying out next grid cells.

13 Jun 2012: Stabilizing in Row AJ/AK/AL at 7 locations and at 1 southern location BABBBCAZ11 (9 trucks today) in the West Oxidation Pond. Prepped for 3 southern locations on Thursday expecting 10 trucks.

Unloading slag trucks.

Unloading slag trucks

Unloading more slag trucks.

Mixing and surveying mixed cells

14 Jun 2012: Stabilizing in Row AK/AL/AM at 8 locations and at 2 southern locations (10 trucks today) in the West Oxidation Pond. Prepped for Friday expecting 9 to 11 trucks.

Unloading slag trucks into prepared cells.

Unloading Slag trucks.

Unloading portland cement truck to storage bunker.

Stage III (SE Pond) had dried out and RECON is pushing up bottom 6" of soil as a final clean-out of the SE Pond. Stabilized cells

Mixing cells (Stabilization) in the West Oxidation pond.

Test Pit in stabilized cell AK-5

Another view of stabilized test trench well mixed and solid clay soil bottom.

Most of SE Pond bottom 6" soil has been pushed up to center of pond.

15 Jun 2012: RECON pumping water to start day due to 1.5" of rain overnight. By 11:00 RECON is able to get trucks to cells over stabilized sediment and begin unloading. Stabilizing in Row AL/AM/AN at 9 locations (9 slag trucks today) in the West Oxidation Pond. Prepped for Tuesday expecting 9 to 11 trucks.

RECON is pumping water off the Stabilized waste to the Wetlands.

RECON continues to pump rain water to wetlands.

Mixing of cells after unloading slag trucks.

Mixed cells on left of photo, prepared cells for tomorrow on right.

4.1: AHA Pit and Pile Activities

12 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Tar Seep back into the AHA Pit after soil removed to bedrock.

Loading soils from the AHA Pit.

Dumping AHA Pit soils in West Oxidation Pond for use as amendment in sta

13 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Only a little was excavated today using stockpiled soils for admixing.

14 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Looking south at southern wall of AHA Pit.

Excavation from AHA Pit.

Tar Seeps along southern wall of AHA Pit.

Close-up of tar seeping to lower level in AHA Pit.

15 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Rains have added water to the AHA Pit.

Tar/oil is floating on the water in the AHA Pit.

RFI or Out-of-Scope

11 Jun 2012: Stage II Wetlands are still dry. Starting to re-flood today from Stage I. SE Pond (Stage III) was dry - mostly - entered pond w/ track hoe for removal of piping and RR track. ALSO will attempt removal of the curtain.

RECON is removing aeration piping from SE Pond.

RECON has removed floating curtain baffel.

Last Bench of Stage II dry starting to see more growth on the benches.

12 Jun 2012: Stage II Wetlands are still dry. Starting to re-flood today from Stage I. SE Pond (Stage III) is drying out nicely - will soon enter to remove small amount of sludge and convert to Stage III Wetlands.

Stage II wetlands with dry (nearly so) benches.

13 Jun 2012: Stage II Wetlands are re-flooded today (from Stage I). SE Pond (Stage III) is drying out nicely - will soon enter to remove small amount of sludge and convert to Stage III Wetlands. Mike and Matt Sampled Wetlands at several locations for water treatment efficiency.

14 Jun 2012: Stage II Wetlands have flooded almost completely from Stage I. SE Pond (Stage III) was entered and a small amount of sediment/soil (~2-3" deep on average) was removed - prior to creating the Stage III Wetlands.

15 Jun 2012: Stage II Wetlands are flooded from Stage I and from ~1" of rain received overnight. SE Pond (Stage III) was wet and no activity occurred today in the pond.

Safety Items

11 Jun 2012: None noted

12 Jun 2012: RECON worker reported a finger strain when hand slipped from hydraulic coupling. See RECON notes for details.

13 Jun 2012: E-mails exchanged on RECON worker finger strain - near miss for El Paso/Kinder Morgan

14 Jun 2012: None

15 Jun 2012: None

Schedule

11 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

12 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

13 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

14 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

15 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

11 Jun 2012: See RECON Daily.

12 Jun 2012: See RECON Daily.

13 Jun 2012: See RECON Daily.

14 Jun 2012: See RECON Daily.

15 Jun 2012: See RECON Daily.

Unusual Items/Changes

11 Jun 2012: Only 7 Slag Trucks, sick driver should have 12 tomorrow. Weekly Project Team CF call at 9:30.

12 Jun 2012: None.

13 Jun 2012: Continue to excavate AHA Pit soils - continue to show several Tar Seeps from exposed Bedrock.

14 Jun 2012: Test Trench in AK-5, trench showed well mixed cell with clay bottom. Video and photos taken of trenching shows well mixed sediments and light brown clay bottom.

15 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock that with 1.5" of rain is now mixed with rainfall runoff in the bottom of the AHA Pit.

Other Notes

11 Jun 2012: *No items noted*

12 Jun 2012: *No items noted*

13 Jun 2012: *No items noted*

14 Jun 2012: *No items noted*

15 Jun 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
18 Jun 2012 - 22 Jun 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

18 Jun 2012: Stabilizing in Row AM/AN/AO at 8 locations and at 2 AV southern locations (10 trucks today) in the West Oxidation Pond. Prepped for Tues expecting 9 to 11 trucks.

Unloading Cement trunk to bermed storage area.

Unloading slag trucks.

Cells ready to mix (gray portland on white slag), Excavators are mixing in background.

Mixed cell in foreground, preparing cells in background with excavators.

19 Jun 2012: Stabilizing in Row AN/AO/AP/AU at 11 locations (11 trucks today) in the West Oxidation Pond. Prepped for Wed expecting 9 to 11 trucks.

Unloading Slag trucks.

Mixing Sediment in cells where slag was unloaded, after adding portland (AHA Soils added last night).

Mixed cells in foreground, unloading soils from AHA Pit in background.

Using AHA Pit soils to "box" cell for unloading slag and mixing tomorrow.

20 Jun 2012: Stabilizing in Row AO/AP at several locations and at AQ1 southern locations (8 trucks today) in the West Oxidation Pond. Prepped for Thurs expecting 9 to 11 trucks.

Unloading Slag Trucks.

Unloading Portland Cement truck (into storage bunker)

Mixing cells in foreground, unloading in background.

Mixing cell.

Showing cells that were just mixed today (closest to sediment).

21 Jun 2012: Stabilizing in Row AP/AQ/AR at 8 locations (8 trucks today) in the West Oxidation Pond. Prepped for Wed expecting 9 to 11 trucks.

Unloading slag truck into cell.

Mixing cell (sediment/slag/portland/ AHA Soils).

22 Jun 2012: Stabilizing in Row AM/AN at 7 locations and at 2 southern locations (9 trucks today) in the West Oxidation Pond. Prepped for Mon expecting 11 trucks.

Unloading slag trucks.

Unloading Slag trucks.

Mixing stabilization cells in West Oxidation pond. Cells in foreground are mixed cells.

3.2: Dewater

21 Jun 2012: RECON is pumping stormwater that accumulated on the stabilized sediment to the Wetlands - which are not discharging. RECON pushes of upper saturated soil like stabilized sediment. Unloading slag trucks by 9:30/

Water on stabilized sediment following overnight rainfall.

RECON pumping water off stabilized sediment.

4.1: AHA Pit and Pile Activities

18 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Loading trucks with soil from AHA Pit.

19 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Excavating AHA pit.

East Wall of AHA Pit.

Close-up of AHA Soils showing tar in soils.

20 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Found a large (~10-12" diameter) steel pipe w/ ~4" PVC inner pipe - that opened into the bottom of the AHA Pit - in the northwest corner of the Pit.

Pipe found in AHA Pit.

AHA Pit excavating soils to amend sediment in West Oxidation Pond.

Photo showing small amount of water w/ oil/tar floating on the water.

21 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Loading trucks at the AHA Pit to haul to West Oxidation for use in mixing with slag/portland.

End of the day, preparing cells for tommorrow.

22 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Nearly finished excavation will be done in few days.

Pipe was found in northern sidewall of AHA Pit, later excavated and found to not be connected and was just a piece of pipe disposed of in the AHA Pit.

Loading AHA Pit soils hauling to the West Oxidation Pond to be mixed with sediment and stabilizing mixture of Slag and Portland.

Excavators are laying out cells for stabilization tomorrow. Utilize AHA soils to box in sediment prior to adding slag and portland tommorrow.

6.4: Electrical Demolition

22 Jun 2012: Young Electric is on-site demoing power to the aeration blower building on the central berm.

Disconnecting power.

Removing OH power lines on the central berm, blower is no longer need in SE Pond.

Removing power to old aeration blower - note new wetlands blower is operating aerating Stage II.

RFI or Out-of-Scope

18 Jun 2012: Stage II Wetlands are flooded begin to empty again (cycling up and down WL's for plant growth. SE Pond (Stage III) has some standing water still and no activity occurred today in the pond.

19 Jun 2012: Stage II Wetlands are getting lower (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Stage II Wetlands starting to grow but still needs to fill in more.

Areas showing better thicker growth.

20 Jun 2012: Stage II Wetlands are getting lower (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Carlson-Baughman was on-site today topographic surveying.

Topographical surveying of the northern end of the West Ponds.

22 Jun 2012: Stage II Wetlands are getting lower (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Safety Items

18 Jun 2012: None

19 Jun 2012: None

20 Jun 2012: None

21 Jun 2012: None

22 Jun 2012: None

Schedule

18 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

19 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

20 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

21 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

22 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

18 Jun 2012: See RECON Daily.

19 Jun 2012: See RECON Daily.

20 Jun 2012: See RECON Daily.

21 Jun 2012: See RECON Daily.

22 Jun 2012: See RECON Daily.

Unusual Items/Changes

18 Jun 2012: Monday 9:30 CF Call see Meeting Notes for Details

19 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

20 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock. Found a large pipe that entered the AHA Pit on the NW corner of the Pit at 10-12' depth.

21 Jun 2012: 1" of rain last night, soils were dry little run-off, ponds and berms contained all runoff that contacted the sediment and stabilized areas.

22 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

Other Notes

18 Jun 2012: *No items noted*

19 Jun 2012: *No items noted*

20 Jun 2012: *No items noted*

21 Jun 2012: *No items noted*

22 Jun 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
25 Jun 2012 - 29 Jun 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

25 Jun 2012: Stabilizing in Row AS/AT/AR at several locations and at 2 southern locations (11 trucks today) in the West Oxidation Pond. Prepped for Tues expecting 9 trucks. Should finish in 2-3 days!

Unloading Slag into cells.

Unloading Portland into Storage Berm

Slag unloaded in foreground cell, unloading more in background

Mixing sediment and slag/portland/AHA Soils.

Remaining sediment to be stabilized with mixing excavators in the background

Finishing mixing last cells, laying out cells for tommorrow.

26 Jun 2012: Stabilizing in Row AP/AQ/AR at several locations and at 2 southern locations (11 trucks today) in the West Oxidation Pond. Prepped for Tues expecting 9 trucks. Should finish in 2-3 days!

Unloading BFS trucks into cells.

BFS truck can now travel N-S across the former West Pond stabilized materials.

27 Jun 2012: Stabilizing in Row AQ/AR/AS at several locations and at southern locations (9 trucks today) in the West Oxidation Pond. Prepped for Thurs expecting 6 trucks. Should finish in 2 days!

Unloading BFS for mixing into cells.

Excavators mixing cells.

Excavators continue mixing soils.

28 Jun 2012: Stabilizing in Row AS at several locations and at One Upper Deck (UD) location (6 trucks today) in the West Oxidation Pond. Prepped for Friday expecting 6 trucks. Should finish Tomorrow!

Unloading BFS trucks

Mixing Slag/Portland with Sediment in upper deck cells.

Preparing last cells for mixing tommorrow.

29 Jun 2012: Stabilizing in Row AT at 2 locations, two trucks are discharging for reserve stabilization and 2 Upper Deck mixing locations (6 trucks today) in the West Oxidation Pond. This will be the last stabilization of the West Oxidation Pond Today!

Last of Slag Trucks (6 today) arrive and begin unloading.

Stabilizing upper deck cells

4.1: AHA Pit and Pile Activities

25 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Sidewalls of AHA Pit

Trash Pipe that was disposed in the AHA Pit (not connected when dug out).

Pushing soil and loading soil in AHA Pit - taking to West Oxidation to mix with sediment.

26 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Almost entirely excavated, to Berm Edges, Excavated outside Berm Edges - discovered that AHA Pit extends further to the West and North than the above grade berms.

Test Trench excavated to the West of the AHA Pit.

27 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Have determined additional soil w/ asphalt will be excavated and placed in the West Ox Pond.

28 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. With new soils identified will have significant amount of additional soils to excavate and haul to the West Oxidation Pond.

Loading soils from AHA Pit. Loading Berm from above grade portion of former AHA Pit.

29 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Placing soils in west ponds mixing with west pond sediments and slag/portland.

Loading soils from AHA Pit.

RFI or Out-of-Scope

25 Jun 2012: Stage II Wetlands are almost dry (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

26 Jun 2012: Stage II Wetlands are almost dry (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Stage II Wetlands

SE Pond (Stage III) almost dry now from past rain event.

27 Jun 2012: Stage II Wetlands are almost dry (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Kirk Excavation on-site today disking remaining cells.

Kirk Excavation disking cells.

Kirk Excavation finished disking cell.

28 Jun 2012: Stage II Wetlands are almost dry (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Stage II drying out and beginning to grow better.

29 Jun 2012: Stage II Wetlands are almost dry (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Safety Items

25 Jun 2012: None

26 Jun 2012: None

27 Jun 2012: None

28 Jun 2012: None

29 Jun 2012: None

Schedule

25 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

26 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

27 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

28 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

29 Jun 2012: Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

25 Jun 2012: See RECON Daily.

26 Jun 2012: See RECON Daily.

27 Jun 2012: See RECON Daily.

28 Jun 2012: See RECON Daily.

29 Jun 2012: See RECON Daily.

Unusual Items/Changes

25 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

26 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

27 Jun 2012: None.

28 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

29 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock. Finished Stabilization within West Oxidation Ponds today.

Other Notes

25 Jun 2012: *No items noted*

26 Jun 2012: *No items noted*

27 Jun 2012: *No items noted*

28 Jun 2012: *No items noted*

29 Jun 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
30 Jun 2012 - 03 Jul 2012

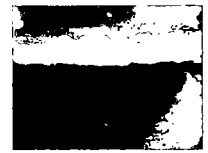
Work Activities

3.1: West Oxidation Pond Closure and Stabilization

30 Jun 2012: Moving Soils from AHA Pit to West Ponds, therefore placing under soil cap to be constructed later.

02 Jul 2012: Moving stabilized sediment from cells that were created above existing cells to the north end of the West Ponds. Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap.

Moving Stabilized Sediments from upper deck cells to the northern end of the West Ponds.



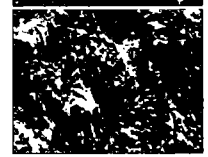
Sediments spread out over West Ponds.

03 Jul 2012: Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap. Soils are spread out in 1 foot lifts and compacted, but not stabilized. Short day RECON leaves for rotation at Noon.

Cleaning off bottom of AHA Pit - bottom is solid bedrock.

North Side of AHA Pit - excavated to Bedrock sidewalls.

West Side of AHA Pit - not excavated to bedrock yet.



Tar seeps from northern AHA Pit sidewall.

4.1: AHA Pit and Pile Activities

30 Jun 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Almost entirely excavated, may finish today and start.

02 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Loading trucks from the AHA Pit.

AHA Pit looking north.

AHA Pit looking south.

03 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

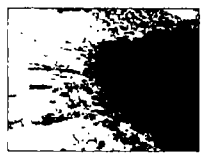
RFI or Out-of-Scope

30 Jun 2012: Stage II Wetlands are almost dry (Cycling -> to dry benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

02 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. BGS on on-site to plug MW-120 which is on the west side of the AHA Pit.

MW-120 plugged with Bentonite Chips. Casing and bumper posts to be removed by RECON with excavators.

03 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. This morning when RECON arrived on-site some cows and horses had gotten into the MPA - probably from the AHA - called neighbor and he arrived on-site to drive cattle and horses back to property & repaired fence.



Livestock hoof prints next to north end of MPA Basin.

Safety Items

30 Jun 2012: None

02 Jul 2012: None

03 Jul 2012: None

Schedule

30 Jun 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

02 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

03 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

30 Jun 2012: See RECON Daily.

02 Jul 2012: See RECON Daily.

03 Jul 2012: See RECON Daily.

Unusual Items/Changes

30 Jun 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

02 Jul 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

03 Jul 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

Other Notes

30 Jun 2012: *No items noted*

02 Jul 2012: *No items noted*

03 Jul 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
09 Jul 2012 - 13 Jul 2012

Work Activities

3.1: West Oxidation Pond Closure and Stabilization

09 Jul 2012: Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap.

Excavating from AHA Pit.

Dumping and spreading soils into West Ponds

Spreading soils from AHA Pit into West Ponds above the stabilized fill - but below the clay soil cap (to be installed).

10 Jul 2012: Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap. Surveyed cap still need several feet of fill to make final grade in areas of the west ox pond.

11 Jul 2012: Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap. Surveyed cap still need several feet of fill to make final grade in areas of the west ox pond.

Excavating western edge of AHA Pit.

Dumping and spreading soils from AHA Pit into was

Looking at south wall of AHA Pit Excavation.

12 Jul 2012: Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap. Surveyed cap still need several feet of fill to make final grade in areas of the west ox pond.

13 Jul 2012: Moving AHA extra soils from expanded AHA Pit excavation to West Ox and placing (no stabilization of these soils) in West Ox under the final cap. Surveyed cap still need several feet of fill to make final grade in areas of the west ox pond.

4.1: AHA Pit and Pile Activities

09 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

10 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

Excavation of AHA Pit - expanded area to west.

AHA Pit soils being spread and compacte d on the West Pond stabilized fill.

Dumping/spreadin g fill from AHA Pit - with water truck for dust control.

11 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit.

West edge of AHA Pit Excavation.

12 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Asphalt tar is seeping back out of sidewalls and staining sides of AHA Pit (Mostly LMS Rock sidewalls).

Seeps from north wall of AHA Pit.

Seeps with small pools collecting at base of excavation wall.

View looking north at most of northern AHA Pit wall

Dumping AHA Pit soils into West Ox Pond.

Western Wall of AHA Pit and smaller seeps closer to base

13 Jul 2012: Continue to excavate soil w/ asphalt TAR from AHA Pit. Finish hauling soils from the AHA Pit at 1:30 pm. Placing fencing around AHA Pit.

AHA Pit with final excavation complete.

Fence was added around AHA Pit.

RFI or Out-of-Scope

09 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

10 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Stage II wetlands flooding - starting to grow well.

11 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Stage II Flooding up increasing water level.

12 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

13 Jul 2012: Stage II Wetlands are almost Flooded - shut off valve to Stage II to save water for dust control (Cycling -> to flood benches). SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond.

Safety Items

09 Jul 2012: None

10 Jul 2012: None

11 Jul 2012: None

12 Jul 2012: None

13 Jul 2012: None

Schedule

09 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

10 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

11 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

12 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

13 Jul 2012: Stabilization of West Pond, Hauling of AHA Pit Soils and Stockpiled (non-stabilized) soils to the West Ox Pond. Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

09 Jul 2012: See RECON Daily. Compactor arrived today.

10 Jul 2012: See RECON Daily.

11 Jul 2012: See RECON Daily.

12 Jul 2012: See RECON Daily.

13 Jul 2012: See RECON Daily.

Unusual Items/Changes

09 Jul 2012: Weekly CF call. Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

10 Jul 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

11 Jul 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

12 Jul 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

13 Jul 2012: Continue to excavate a large deep excavation within the AHA Pit w/ tar containing soils - also showing Tar Seeps from exposed Bedrock.

Other Notes

09 Jul 2012: *No items noted*

10 Jul 2012: *No items noted*

11 Jul 2012: *No items noted*

12 Jul 2012: *No items noted*

13 Jul 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
16 Jul 2012 - 20 Jul 2012

Work Activities

2.1: Stage 3 Wetland Construction

16 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are low - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

17 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are low - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

Continue to Drain Stage I to Stage II.

18 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are flooding but remain fairly low - opened valve to Stage II on Monday to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

19 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are still filling since opening HCS #1 on Monday - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

20 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are still filling since opening HCS #1 on Monday - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

3.1: West Oxidation Pond Closure and Stabilization

16 Jul 2012: Cutting down edges of stabilized fill in West Ponds with excavators (also repaired hoses and maintenance on excavators). Preparing to survey to determine what the required fill volumes are.

Cutting down edges of stabilized fill with excavators.

Cutting down edges of Stabilized fill in West Oxidation Pond.

3.4: Stabilize all Placed Sediments

17 Jul 2012: RECON continues to cut-down high areas of stabilized fill in SE Pond and place in lower areas. Continue to shape fill cutting edges down and crowning in center. Compactor is used to pack stabilized fill.

RECON shaping stabilized fill in West Ponds.

Compactor being used to compact fill as it is moved around West Pond.

Compacted stabilized fill placed in the center of the West Pond.

Leveled stabilized fill in the West Pond.

4.1: AHA Pit and Pile Activities

16 Jul 2012: Cleared trees from Berms and prepared to haul soil to AHA Pit. Surveyors were on-site Saturday and have already surveyed the AHA Pit excavation.

Trees cleared from STF Berm

Trees removed from STF Berm.

17 Jul 2012: Cleared trees from Berms and hauling soil to AHA Pit. Fill was placed originally with NE Corner of the AHA Pit excavation to make a ramp into the AHA Pit.

Initial filling of AHA Pit - Fill is being used to make ramp into NE corner of AHA Pit.

Ramp is now usable as filling continues across the bottom of the AHA Pit.

Borrow Berm in the STF used for fill today.

18 Jul 2012: Cleared trees from Berms and Hauled soil to AHA Pit. Filled probably 2' in pit today. Semi-truck was loaded to haul away dust boxes from stabilization activities.

Excavator is preparing to load trucks in STF.

RECON placing traffic signs at the Refinery Road crossing.

Dumping soils in the AHA Pit

View looking south from Refinery Road at truck loading in STF.

Still filling the AHA Pit with clay soil from the STF Berm .

19 Jul 2012: Hauling soil to AHA Pit from the STF Soil Piles. Had a brief (~0.25") thunderstorm at ~1300 that included lightning shutdown - did little more than settle the dust (no runoff).

Dumping soil in AHA Pit

Loading soils from the STF Berms.

Leveled off STF Berm.

20 Jul 2012: Continued to haul soil to AHA Pit from the STF Soil Berm Piles.

Filling AHA Pond

Safety Items

16 Jul 2012:	None
17 Jul 2012:	None
18 Jul 2012:	None
19 Jul 2012:	None
20 Jul 2012:	None

Schedule

16 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
17 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
18 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
19 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
20 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

16 Jul 2012:	See RECON Daily.
17 Jul 2012:	See RECON Daily.

18 Jul 2012:	See RECON Daily.
19 Jul 2012:	See RECON Daily.
20 Jul 2012:	See RECON Daily.

Unusual Items/Changes

16 Jul 2012:	Weekly CF Call at 9:30 Central.
17 Jul 2012:	Started backfilling AHA Pit with STF Berm Soil.
18 Jul 2012:	Checked soil analytical results and field inspected soils (included screening for VOC's) no significant contamination is evident in the STF Berm soils being used as borrow for filling of the AHA Pit. Collected video of AHA Berm being excavated.
19 Jul 2012:	None.
20 Jul 2012:	None.

Other Notes

16 Jul 2012:	*No items noted*
17 Jul 2012:	*No items noted*
18 Jul 2012:	*No items noted*
19 Jul 2012:	*No items noted*
20 Jul 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
23 Jul 2012 - 27 Jul 2012

Work Activities

2.1: Stage 3 Wetland Construction

23 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are still filling since opening HCS #1 on Monday - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

24 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are still filling since opening HCS #1 on Monday - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin. RECON removed blowers from blower building. RECON also pushing rock (rip rap) off side slopes of berms in West Pond and SE Pond.

Empty Building.

Blowers moved near DECON Pad.

25 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are still filling since opening HCS #1 on Monday - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin.

Stage I is getting low due to dry conditons.

Stage II is growing well.

25 Jul 2012: Demolition of the Blower Building occurred today along with removal of the power line poles down the center berm. RECON also pushing out cement and slag pits in West Ponds left from stabilization activities.

Demolition of Blower Building

RECON salvaged blower for possible internal re-use by RECON.

Metal from Blower Building demo.

RECON pushing out (leveling) slag pit along west berm.

26 Jul 2012: SE Pond (Stage III) was continuing to dry out but no activity occurred today in the pond. Stage II Wetlands are still filling since opening HCS #1 on Monday - opened valve to Stage II to Flood (Cycling -> to flood benches). Water for dust control was from MPA Basin. Demo of Blower Building on Berm between Stage II and Stage III is complete except for loading rubble.

Stage III (SE Pond) is now dry.

Rubble from Blower Building (Metal).

More Rubble from Blower Building (Concrete & Wood).

27 Jul 2012: Moving soil obtained from bottom and sides of SE Pond (with some rock)during final clean-out - this was being placed centered in the West Oxidation Pond low areas. Water for dust control was changed today from MPA Basin to City of El Dorado fire hydrant (city supplied water meter).

Loading and hauling soil from SE Pond.

Dumping and spreading soil from SE Pond.

4.1: AHA Pit and Pile Activities

23 Jul 2012: Continue hauling soil to AHA Pit from the STF Soil Piles.

AHA Pit being leveled and filled.

AHA Pit being backfilled.

Looking South at remaining AHA Pit to backfill.

24 Jul 2012: Continue with Hauling soil to AHA Pit from the STF Soil Piles.

Dumping Soil in AHA Pit.

Spreading soil in AHA Pit.

Loading soil in the STF for hauling to AHA Pit.

Continue spreading soil in AHA Pit.

Dumping soil at the AHA Pit.

25 Jul 2012: Hauling soil to AHA Pit from the STF Soil Piles.

Filling AHA Pit with soil from STF berms.

Loading haul trucks to fill AHA Pit with soil from STF Berm.

Spreading soil in the AHA Pit.

Excavator on STF berm preparing to load trucks.

26 Jul 2012: Hauling soil to AHA Pit from the STF Soil Piles. Finished hauling and grading of the AHA Pit backfill.

Looking East - Final filling and grade work on the AHA Pit.

Looking South - Final filling / grading of AHA Pit.

Looking South - Final filling / grading of AHA Pit.

RFI or Out-of-Scope

23 Jul 2012: New Wetlands Blower needs removed and transported to local repair shop by RECON.

27 Jul 2012: RECON is cleaning up debris and rubble from south tank farm (STF). Primarily old metal buildings and concrete pads. Metal is being recycled, concrete debris is being put in Primary Pond.

Old Metal building in STF demolished.

Very large equipment concrete pad - unable to break/load.

27 Jul 2012: Continue to performing clean-up around the northern tank berms within the south tank farm (STF). Removing concrete (main focus), steel piping, steel building, and power poles etc... Material is removed and staged prior to off-site recycling (Steel)

Removing large concrete pad.

Concrete rubble placed in Primary Pond.

Metal staged in MPA prior to recycling.

Safety Items

23 Jul 2012:	None
24 Jul 2012:	None
25 Jul 2012:	None
26 Jul 2012:	None
27 Jul 2012:	None

Schedule

23 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
24 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
25 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
26 Jul 2012:	Hauling of AHA Pit Soil backfill, Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
27 Jul 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

23 Jul 2012:	See RECON Daily.
24 Jul 2012:	See RECON Daily.
25 Jul 2012:	See RECON Daily.
26 Jul 2012:	See RECON Daily.

27 Jul 2012:	See RECON Daily.

Unusual Items/Changes

23 Jul 2012:	*No items noted*
24 Jul 2012:	RECON moved blowers out of blower building - ready to Demo.
25 Jul 2012:	Blower Building Demo.
26 Jul 2012:	None.
27 Jul 2012:	John R. on Vacation / switched out w/ Lanny N. until after rotation.

Other Notes

23 Jul 2012:	*No items noted*
24 Jul 2012:	*No items noted*
25 Jul 2012:	*No items noted*
26 Jul 2012:	*No items noted*
27 Jul 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
30 Jul 2012 - 01 Aug 2012

Work Activities

2.1: Stage 3 Wetland Construction

31 Jul 2012: Wetlands have grown well in July and are now well 5-6' tall in Stage II.

Wetlands plants in Stage II.

More Wetlands Plants showing good growth.

Wetlands plants now growing well.

Looking north across wetlands shows solid coverage of wetlands plants across benches.

01 Aug 2012: Water for dust control was remains from the City of El Dorado fire hydrant (city supplied water meter). RECON installed a ditch in south tank farm to direct SW back onto the site and keep SW on-site.

5.2: Placement of Fill Material in NW Pond (Primary Pond)

30 Jul 2012: Placed last of concrete rubble in Primary Pond - in area left open to accommodate last of rubble from North of Decon Pad and Blower Building.

Last of concrete rubble placed in Primary Pond.

Concrete rubble placed and packed down in Primary Pond.

Loading last of metal and rubble from Blower Building demo.

5.3: Placement of Compacted Clay Layer

30 Jul 2012: Started today with placing compacted clay layer in 9" lift in the northwest corner of the former primary pond area. Removing soil from the western berm and spreading over the fill in the Primary Pond and stabilized fill in the West Oxidation Pond.

Moving soil from western berm to clay soil CAP.

Watering and compacting soils that are being spread in 9" lift.

Hauling soil for Clay CAP.

31 Jul 2012: Hauling & Placing the first ~9" layer of compacted clay in the West Pond. RECON is adding water/ripping/spreading and re-compacting. Terracon was on-site today and initial test were dry and did not meet compaction requirements.

Adding water to placed 9" clay soils

Ripping to work moisture into the clay soils.

Spreading and compacting clay soils on west pond CAP.

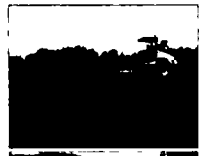
Excavation of West Ponds - western berm for clay soils for CAP.

01 Aug 2012: Hauling & Placing the first ~9" layer of compacted clay in the West Pond. ONLY 1/2 Day - RECON leaves for rotation.

Excavating soil from Bond Berm - west side of West Oxidation Pond.

Dumping soil on West Pond for CAP.

Spreading soil for clay CAP on West Ponds.



Compacting clay soils on the West Ponds for the CAP.

Watering and compacting soils on the west ponds making the 2' clay soils CAP.

Placed and compacted clay soils first lift of CAP.

RFI or Out-of-Scope

30 Jul 2012: Finished clean-up of last of material in South Tank Farm (STF) - metal staged in MPA, concrete rubble to Primary Pond.

Picking up re-bar from STF demo work.

31 Jul 2012: RECON performed some general site clean-up around office and supply boxes. Also surveyed cap to layout grade stakes for 9" lift thickness.

Safety Items

30 Jul 2012: None

31 Jul 2012: None

01 Aug 2012: None

Schedule

30 Jul 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

31 Jul 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

01 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

30 Jul 2012: See RECON Daily.

31 Jul 2012: See RECON Daily.

01 Aug 2012: See RECON Daily.

Unusual Items/Changes

30 Jul 2012: John R. on Vacation / switched out w/ Lanny N. until after rotation that begins Wed - till following Monday.

31 Jul 2012: John R. on Vacation / switched out w/ Lanny N. until after rotation that begins tomorrow (Wed) - Jon returns the following Monday.

01 Aug 2012: John R. on Vacation / Lanny N. is foreman until after rotation ends Monday. ALL of RECON leaves on ROTATION at noon. MPA Spring Installation has been approved by KDHE.

Other Notes

30 Jul 2012: *No items noted*

31 Jul 2012: *No items noted*

01 Aug 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
06 Aug 2012 - 10 Aug 2012

Work Activities

5.3: Placement of Compacted Clay Layer

06 Aug 2012: Continue to push center berm in and excavate clay soils from West Pond Berm, Working along the western edge, hauling to West Pond as 1st lift of compacted clay CAP, dump, water, spread, water, compact, rip and water, and compact more.

Excavating, spreading, watering, and compacting soils on the west pond CAP.

Excavating soils along the western pond berm of the West Oxidation pond - now stabilized.

06 Aug 2012: Terracon was on-site to measure placed/compacted clay soils, soils were not meeting compaction levels, suspect hydrocarbon impacts may be effective Nuke meter. Discussing options for this soil including moving, but this soil is more than 2.5' below final grade. RECON will continue to work and move this soil to get better compaction.

07 Aug 2012: Continue to push center berm in and excavate clay soils from West Pond Berm, Working along the western edge, hauling to West Pond as 1st lift of compacted clay CAP, dump, water, spread, water, compact, rip and water, and compact more. Lightning shutdown in AM - sprinkles small amount of dust control only.

Hauling Western pond berm and spreading as Clay Cap for west ponds.

Spreading and compacting clay soils across CAP.

08 Aug 2012: Continue to excavate clay soils from West Pond southern end today, haul to West Pond 1st lift of compacted clay CAP, dump, water, spread, water, compact, rip and water, and compact more.

RECON is excavating West Pond Berm (southern end today) and using clay soils to CAP West Ponds.

Watering, spreading, and compacting soils for Lift #1. Adding moisture to improve density / permeability.

Continued excavation of West Pond berm for clay capping soil.

Continued excavation - note Dry SE Pond in foreground.

08 Aug 2012: Terracon on-site today to measure field densities and moistures w/ nuke meter - also took Shelby Tube samples for perms. Samples were on the first lift.

RECON pushing Shelby tube w/ backhoe.

RECON / Terracon is removing the Shelby Tube.

09 Aug 2012: Continue to excavate clay soils from central berm today, haul to West Pond 1st lift of compacted clay CAP, dump, water, spread, water, compact, rip and water, and compact more.

Excavation of Center Berm for CAP soil borrow.

Excavation and hauling underway.

Spreading, Watering, and Compacting soils on West Cap.

09 Aug 2012: Terracon on-site today to measure field densities and moistures w/ nuke meter. Samples were on the first lift.

Terracon checking field densities / moisture percentage.

Close-up of Nuke Meter.

10 Aug 2012: Continue to excavate clay soils from central berm today, haul to West Pond 1st lift of compacted clay CAP, dump, water, spread, water, compact, rip and water, and compact more.

RECON excavating soils from Central Berm.

Watering soil in lift as spreading.

Central Berm after partially being excavated.

RFI or Out-of-Scope

09 Aug 2012: Excavated small area (~100-200' long by 10-15' wide - 2-3' deep) of impacted soils found in the former western berm of the northwest corner of the former west oxidation pond. Impacted soils were placed in the center of the West Oxidation Pond on-top of the stabilized sediments. Excavation was filled and re-compacted with clean soils from the central berm.

Excavation of impacted soils.

Dark impacted soils.

Spreading impacted soils in center of West Oxidation Pond on top of stabilized

Limits of Final Excavation along west side of West Oxidation Pond.

waste.

Safety Items

06 Aug 2012:	None
07 Aug 2012:	None
08 Aug 2012:	None
09 Aug 2012:	None
10 Aug 2012:	None

Schedule

06 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
07 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
08 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
09 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
10 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

06 Aug 2012:	See RECON Daily.
07 Aug 2012:	See RECON Daily.
08 Aug 2012:	See RECON Daily.
09 Aug 2012:	See RECON Daily.
10 Aug 2012:	See RECON Daily.

Unusual Items/Changes

06 Aug 2012:	Terracon on-site measuring soil densities and moisture levels in placed and compacted soils.
07 Aug 2012:	None.
08 Aug 2012:	None.
09 Aug 2012:	Excavated impacted soils in the berm on the west side of the West Oxidation pond.
10 Aug 2012:	None.

Other Notes

06 Aug 2012:	*No items noted*
07 Aug 2012:	*No items noted*

08 Aug 2012: *No items noted*

09 Aug 2012: *No items noted*

10 Aug 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
13 Aug 2012 - 17 Aug 2012

Work Activities

2.1: Stage 3 Wetland Construction

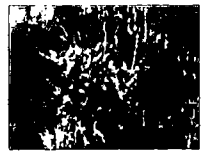
15 Aug 2012: Remove soil from SE Pond is creating Stage III of the Wetlands.

Removing soils from SE Pond (Stage III Wetlands).

Removing soils from SE Pond.

16 Aug 2012: Wetlands in Stage II are growing very well now in the heat of summer.

Grass and reeds in Stage II Wetlands



Believed to be Duck Potatoes in Stage II wetlands.

4.1: AHA Pit and Pile Activities

14 Aug 2012: Continue to excavate clay soils from SE Pond Berms (East Berm today), haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is placing soils for Lift #2 today.

RECON is starting to place soils for Lift #2 today.

RECON is excavating soils from Central Berm between East and West Ponds.

5.3: Placement of Compacted Clay Layer

13 Aug 2012: Continue to excavate clay soils from central berm today, haul to West Pond 1st lift of compacted clay CAP, dump, water, spread, water, compact, rip and water, and compact more. Terracon is on-site today performing Nuke density testing and collecting Shelby tube samples for perm testing.

RECON loading soils from central berm.

Spreading and compacting soils in the first lift of clay CAP.

Compacting soils in lift #1 - soils is wet (dark brown) - to compact at optimal moisture content.

15 Aug 2012: Continue to excavate clay soils from SE Pond Berms (East Berm today), haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is placing soils for Lift #2 today, Terracon on-site today performing density testing and collecting Shelby tube samples for perm testing.

Excavation of soils from central berm between west and east ponds.

Spreading and Compacting soils.

Dumping and Spreading soils.

Compacting watered soils on West Pond CAP.

Terracon testing Lift #2 Soils with Nuke Meter and taking Shelby Tubes.

16 Aug 2012: Continue to excavate clay soils from SE Pond Berms (East Berm today), haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is placing soils for Lift #2 today

Loading Off-road Truck with soil

Continuing to load truck from SE Pond Berm

Spreading soils from SE Pond and Compacting the Soils

Wet soils from watering the lift.

Compacting the soil lift.

16 Aug 2012: Filled the area that was excavated in the West Berm of the West Pond - that had impacted soils w/ non-impacted soils from the SE Pond berms.

Looking North at impacted soil are backfilled.

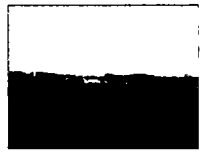
Looking South at impacted soil are backfilled.

17 Aug 2012: Continue to excavate clay soils from SE Pond Berms (East Berm today), haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is placing soils for Lift #2 today.

Excavation of soils from SE Pond eastern berm.

Dumping soil on the West Pond CAP.

Spreading soil on the West Pond CAP.

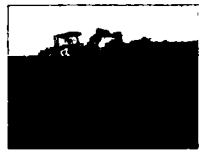


Watering soils on the West Pond CAP.

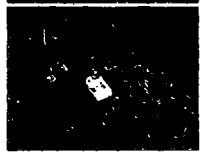
Compacting Soils on the West Pond Cap

17 Aug 2012: Terracon is taking density/moisture readings (Nuclear Meter) and collecting Shelby tubes for Perms.

Pushing Shelby Tube Sample



Removing Shelby Tube Sample



Terracon using the Nuclear Density Meter.

RFI or Out-of-Scope

17 Aug 2012: Kirk Excavation is on-site at the MPA Landfarm and plowed the remaining landfarm cells.

Kirk Excavation plowing landfarm cell.

Safety Items

13 Aug 2012: None

14 Aug 2012: None

15 Aug 2012: None

16 Aug 2012: None

17 Aug 2012: None

Schedule

13 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

14 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

15 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

16 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

17 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

13 Aug 2012: See RECON Daily.

14 Aug 2012: See RECON Daily.

15 Aug 2012: See RECON Daily.

16 Aug 2012: See RECON Daily.

17 Aug 2012: See RECON Daily.

Unusual Items/Changes

13 Aug 2012: Finished First Lift of Compacted Clay Cap on West Ponds. Placed over stabilized fill.

14 Aug 2012: None.

15 Aug 2012: Terracon taking Lift #2 soil compaction and perm testing samples.

16 Aug 2012: None

17 Aug 2012: Kirk Excavation plows remaining landfarm cell.

Other Notes

13 Aug 2012: *No items noted*

14 Aug 2012: *No items noted*

15 Aug 2012: *No items noted*

16 Aug 2012: *No items noted*

17 Aug 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
20 Aug 2012 - 24 Aug 2012

Work Activities

2.2: Construct Stage 3 Wetlands

24 Aug 2012: RECON is repairing erosion by Outfall 001X1 - near West Branch Walnut River.

5.3: Placement of Compacted Clay Layer

20 Aug 2012: Continue to excavate clay soils from SE Pond Central Berm (between Stages II and III), haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is placing soils for Lift #2 today.

Excavating dry soils from SE Pond central berm.

Dumping soils for Lift #2.

Watering soil before compaction.

21 Aug 2012: Continue to excavate clay soils from SE Pond Berm, haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is finishing Lift #2 today. 3:30 Terracon is collected remaining samples for Lift #2 testing (perm and densities/moisture) today.

Looking South, Excavation of soils from SE Pond.

Looking East, Excavation of soils from SE Pond.

Dumping and spreading soils, Southern end of West Ponds, Lift #2 of Clay Cap.

RECON/Terracon are collecting Shelby Tube samples for Perm / Density Testing.

22 Aug 2012: Continue to excavate clay soils from SE Pond Berm, haul to West Pond CAP, dump, water, spread, water, compact, rip and water, and compact more. RECON is beginning Lift #3, collected all samples for Lift #2 yesterday. Hauling and placing is stopped - due to low perm results from Lift #1

Excavating soils from SE Pond Berm.

Dumping soils on West Pond CAP.

Spreading and watering clay soils on West Pond Cap

Compacting Soils in Lifts.

23 Aug 2012: RECON is watering all of the 2nd lift today. RECON is pending positive results from Terracon - prior to proceeding with 3rd lift.

West Pond Clay CAP, start of 3rd lift. Stopped placement unti

Compacted clay soil cap on West Pond. 2nd lift has been placed.

6.2: Project Facilities

23 Aug 2012: Stormwater Controls - placed silt fence along southern property line fence - south of the West Pond CAP - with filling of the West Pond run-off will be directed off the CAP and will cross the southern property line.

Adding Silt Fence along southern property line.

Additional Silt Fencing along southern property line.

24 Aug 2012: Performing clean-up around the northern tank berms within the south tank farm (STF). Removing concrete (main focus), steel piping, steel building, and power poles etc... All Metal arrived to remove RR Rail (used for aeration line ballast). Material is removed and staged prior to off-site recycling (Steel)

Rain has wet the site, but no run-off is occurring - MPA Spring is not flowing - v-notch weir and MPA Channel is in the photo.

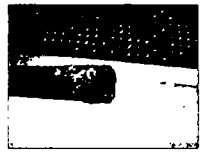
RFI or Out-of-Scope

20 Aug 2012: RECON is having equipment serviced today.

21 Aug 2012: 2:00 pm Met RECON/Young Electric to look at new power line routing. Westar will not install the OH electric, therefore looking for Young Electric to install.

23 Aug 2012: RECON is excavating power lines to MPA Sumps (GW Sump float controls are not functioning). Excavation is complete - conduit is corroded/pitted - suspect concrete fines used for backfill.

RECON is excavating power and control conduits at the MPA Sumps.



Broken and corroded conduit from MPA Sumps.

Safety Items

20 Aug 2012: None

21 Aug 2012: None

22 Aug 2012: None

23 Aug 2012: None

24 Aug 2012: None

Schedule

20 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

21 Aug 2012: Continue with Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

22 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

23 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

24 Aug 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

20 Aug 2012: See RECON Daily.

21 Aug 2012: See RECON Daily.

22 Aug 2012: See RECON Daily.

23 Aug 2012: See RECON Daily.

24 Aug 2012: See RECON Daily.

Unusual Items/Changes

20 Aug 2012: None.

21 Aug 2012: Finished 2nd lift of clay soil on West Pond CAP. Terracon collected all samples from Lift #2.

22 Aug 2012: Placing soils stopped - pending discussion on soils sample perm results and results from Lift #2.

23 Aug 2012: Pending compaction soils test results from Terracon, working on Misc. Items.

24 Aug 2012: 1/2 day, rainy, ~0.1" of rain - no run-off very dry site. Waiting on compaction and perm results from lifts.

Other Notes

20 Aug 2012: *No items noted*

21 Aug 2012: *No items noted*

22 Aug 2012: *No items noted*

23 Aug 2012: *No items noted*

24 Aug 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
27 Aug 2012 - 31 Aug 2012

Work Activities

2.1: Stage 3 Wetland Construction

27 Aug 2012: Watering lifts in West Ponds clay soil CAP.

4.1: AHA Pit and Pile Activities

29 Aug 2012: RFI-004 MPA Spring Install: RECON is fitting HDPE plate, HDPE pipes, and cutting holes in piping into the MPA Spring Manhole. RECON is returning the precast lid that was supplied - the wrong one was sent out.

5.3: Placement of Compacted Clay Layer

28 Aug 2012: RECON is watering the placed soils while performing MPA Spring Install, and waiting for Perm Results from Lift 2.

West Pond CAP wet areas from watering of site soils.

Watering of West Pond CAP clay soils.

29 Aug 2012: RECON is watering lifts to keep hydrated. RECON sends in water truck that broke down for repair.

RFI or Out-of-Scope

27 Aug 2012: Begin Working on MPA Spring Sump Installation - excavated sump, Initial weathered Bedrock ~4' Below Grade, removed to hard solid bedrock at ~6' below grade, found ~1.5' crack in bedrock - ~3-4" wide at widest point. Clearly flowing water from the crack (spring) as it was excavated. Video of flow and excavation was collected.

MPA Spring as it is being excavated.

MPA Spring after excavation - water has filled excavation from crack in bedrock.

Excavation of northern lateral trench.

MPA Sump bedrock that is next to historic foundation.

Close-up of MPA Spring - Bedrock crack.

Gravel backfill under MPA Spring Manhole Section for leveling the manhole - although bedrock is nearly level.

RECON is installing and leveling lower manhole section.

27 Aug 2012: Excavating Electric Trenches at MPA Sumps

Electrical Conduit being excavated for MPA Sumps repair of conduit.

28 Aug 2012: MPA Spring System Install (RFI-004) - Laid out and excavated water discharge PL from MPA Spring to MPA Channel (6" HDPE)

Excavation of the MPA Spring discharge PL to the MPA Channel.

Looking at MPA Spring manhole down the MPA Spring discharge PL trench.

28 Aug 2012: RFI-001 - Pester Property Line trench - excavated ~10' and ~100' long near the Pester Property line north of the DECON Pad and East of the former API/OWS (now Metals Precip Basin). Dound only small 2-3" diameter pipe that crossed trench, even smaller loose pipe that did not cross trench, and a surface concrete slab. Despite very dry

surface soils -small amount of groundwater was evident in bottom of excavation after setting for 30-60 minutes (slowly seeping in). Trench was left open until tomorrow when we could discuss findings with team.

Initial excavation begins on Pester Property Line Trench

Small near surface PL that was found in trench.

Verifying depth of trench as excavation continues.

Looking east at trench as it is nearing completion.

Another easterly view of the final trench.

30 Aug 2012: MPA Spring System Installation (RFI-004) - Continued installation of MPA Spring system. Backfilled lateral lines and main discharge to MPA Channel. Set upper manhole section - lid is pending. Installed flange fitting on end of 6" HDPE at the MPA Channel end.

Perforated Drainage Piping installed in laterals

Piping within MPA Spring Sump - note product deflection plate under the central water discharge piping

Alternative view of MPA Spring sump internal piping.

Lateral piping and trench south side of manhole.

Gravel placed over perforated piping in lateral trench.

Grate and upper section of Manhole is placed on the MPA Spring manhole.

Flange fitting at MPA Channel - down gradient end of pipeline.

Backfilling complete on the main MPA Spring PL, RECON is picking up concrete and pipe rubble removed during trenching.

30 Aug 2012: Pester Property Line Trench (RFI-001) - backfilling and grading of property line trench.

31 Aug 2012: MPA Spring RFI-004 - set pre-cast lid on MPA Spring Manhole

Pre-cast lid on MPA Spring Manhole

31 Aug 2012: RECON leaves for Rotation

Safety Items

27 Aug 2012:	None
28 Aug 2012:	None
29 Aug 2012:	None
30 Aug 2012:	None
31 Aug 2012:	None

Schedule

27 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, Finish MPA Spring System install.
28 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

29 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
30 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
31 Aug 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System final details.

Equipment at the Site

27 Aug 2012:	See RECON Daily.
28 Aug 2012:	See RECON Daily.
29 Aug 2012:	See RECON Daily.
30 Aug 2012:	See RECON Daily.
31 Aug 2012:	See RECON Daily.

Unusual Items/Changes

27 Aug 2012:	Excavated MPA Sump today found shallow bedrock @4' depth and section of concrete foundation, excavated another 1-2' to solid bedrock - found a 1-1.5' long solution cavity / crack in the bedrock that all the water appears to be flowing from. Set shorter manhole section over the cavity.
28 Aug 2012:	None.
29 Aug 2012:	None>
30 Aug 2012:	None.
31 Aug 2012:	RECON leaves for rotation

Other Notes

27 Aug 2012:	*No items noted*
28 Aug 2012:	*No items noted*
29 Aug 2012:	*No items noted*
30 Aug 2012:	*No items noted*
31 Aug 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
05 Sep 2012 - 07 Sep 2012

Work Activities

1.2: Dewater SE Pond

05 Sep 2012: Water was in the SE Pond after rains.

Water in SE Pond following rain overnight.

2.1: Stage 3 Wetland Construction

06 Sep 2012: Moving soil from the former SE Pond bottom - this was being placed in the West Ponds as a 2' CAP of clean soils. Water for wetting soils and for dust control from City of El Dorado fire hydrant (city supplied water meter). Rain overnight (~1/4 to 1/2") no run-off but a small amount of water in SE Pond/Stage III. RECON is setting up to pump water from SE Pond/Stage III. Prepared site for possible additional rain overnight/tomorrow according to forecast.

RECON pumping water from SE Pond

Site is muddy from overnight rains, but soil hauling can continue.

Taking advantage of moisture from rains, spreading and compacting soils.

Spreading, Compacting soils as hauled from SE Pond.

2.2: Construct Stage 3 Wetlands

07 Sep 2012: Moving soil from the west side of Stage II - this was being placed across the West Ponds as a 2' CAP of clean soils. Water for wetting soils and for dust control from City of El Dorado fire hydrant (city supplied water meter). Lightning shutdown at 1:30 again at 3:00 RECON off-site by 3:30 - rain-out!

Moving Soils on West Pond CAP

Rain / Storm in the afternoon.

5.3: Placement of Compacted Clay Layer

05 Sep 2012: Early today was wet from overnight rains. Late in the afternoon was able to begin to haul soil onto West Pond CAP third lift.

Excavating soils from SE Pond berm (Southern End) and loading in Haul Trucks.

Haul Trucks are moving soils to the north end of the West Ponds and placing soils for the 3rd lift of compacted clay (West Ponds CAP).

06 Sep 2012: Clay soils being placed are being spread, watered for optimum moisture, mixed to incorporate the moisture and compacted.

Spreading, compacting soils on the West Pond CAP.

07 Sep 2012: Clay soils being placed are being spread, watered for optimum moisture, mixed to incorporate the moisture and compacted.

RFI or Out-of-Scope

05 Sep 2012: RFI-004 MPA Spring Remediation System - To wet for gravel road around sump, but did install internal J - tube and water level access port. Installed splash pad on the MPA Spring outlet at the MPA Channel.

Forming Splash Pad at MPA Channel side slope.

Granular Bentonite (Gray) that was placed to seal around the MPA Spring discharge pipe and at the MPA Channel liner edge. Final Concrete Splash Pad.

RECON is finishing the concrete splash pad.

RECON installed J-tube and WL access port in MPA Spring Manhole.

Safety Items

05 Sep 2012: None

06 Sep 2012: None

07 Sep 2012: None

Schedule

05 Sep 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands.

06 Sep 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

07 Sep 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

Equipment at the Site

05 Sep 2012: See RECON Daily.

06 Sep 2012: See RECON Daily.

07 Sep 2012: See RECON Daily.

Unusual Items/Changes

05 Sep 2012: Received about an inch of rain last night, site is wet (surface soils saturated) but very little to no run-off has occurred.

06 Sep 2012: John R. on Vacation / switched out w/ Lanny N. until after rotation that begins next Wed - till following Monday.

07 Sep 2012: None.

Other Notes

05 Sep 2012: *No items noted*

06 Sep 2012: *No items noted*

07 Sep 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
10 Sep 2012 - 14 Sep 2012

Work Activities

2.1: Stage 3 Wetland Construction

10 Sep 2012: Moving soil from the former central berm - this was being placed in the West Ponds as a 2' CAP of clean soils. Water for wetting soils and for dust control from City of El Dorado fire hydrant (city supplied water meter).

RECON removing soils from the central berm and spreading on the West Ponds CAP.

RECON continues to shape center berm as loading soils

Watering soils to achieve desired moisture levels for compacting soils to achieved limited permeabilities for West Pond CAP.

11 Sep 2012: Moving soil from the former SE Pond bottom - this was being placed in the West Ponds as a 2' CAP of clean soils. Water for wetting soils and for dust control from City of El Dorado fire hydrant (city supplied water meter).

Excavating Soils from SE Pond.

Spreading soils on West Ponds CAP.

12 Sep 2012: Moving soil from the former SE Pond - this was being placed in the West Oxidation Pond as Capping Soils. Water for dust control was from the City of El Dorado fire hydrant (city supplied water meter).

Excavation of soils from the SE Pond (making into Stage III Wetlands).

2.2: Construct Stage 3 Wetlands

13 Sep 2012: RECON was excavating soils from the Stage III Wetlands for use on the West Pond CAP.

RECON obtaining borrow soils from SE Pond bottom (Stage III Wetlands).

5.1: West Pond Cover

14 Sep 2012: RAIN OUT, 1" of rain - last night and morning.

MPA Channel with small amount of water.

Wet/Muddy West Pond CAP.

5.3: Placement of Compacted Clay Layer

10 Sep 2012: Clay soils being placed are being spread, watered for optimum moisture, mixed to incorporate the moisture and compacted. Terracon is performing nuclear density testing and today's results showed dry soils, will be adding moisture, mixing and re-testing tommorrow.

Terracon checking density and moisture content with Nuclear Density meter.

RECON surveying the SE Pond Bottom.

11 Sep 2012: Clay soils being placed are being spread, watered for optimum moisture, mixed to incorporate the moisture and compacted.

Terracon is performing nuclear density testing and collecting Shelby tube samples for permeability testing.

RECON pushing Shelby tube for Terracon.

RECON is removing a Shelby tube (Terracon is assisting).

12 Sep 2012: RECON continues to excavate, load, haul, dump, spread, water, compact soils taken from SE Pond (Stage III Wetlands) and placed and compacted as the 2' minimum CAP on the West Ponds. Compactor broke down in the afternoon. Terracon collected

Excavation of Soils from SE Pond.

Dumping Soils on West Pond CAP.

Spreading soils onto the West Pond CAP.

Watering (adding moisture) and compacting soils on West Pond CAP.

RECON assisting Terracon in obtaining Shelby tube samples.

13 Sep 2012: RECON is hauling soil, spreading soil, compacting, watering, and ripping/watering/compacting. 1:00 pm began to rain. Left site early (4:30) due to rain.

Current stage of West Pond Cap.

RECON Dumping/spreading soils on CAP.

Safety Items

10 Sep 2012:	None
11 Sep 2012:	None
12 Sep 2012:	None
13 Sep 2012:	None
14 Sep 2012:	None

Schedule

10 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
11 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
12 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, Planting, Seeding.
13 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands.
14 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, planting, etc...

Equipment at the Site

10 Sep 2012:	See RECON Daily.
11 Sep 2012:	See RECON Daily.
12 Sep 2012:	See RECON Daily.
13 Sep 2012:	See RECON Daily.
14 Sep 2012:	See RECON Daily.

Unusual Items/Changes

10 Sep 2012:	none
11 Sep 2012:	None.
12 Sep 2012:	None.
13 Sep 2012:	RAIN!
14 Sep 2012:	RAIN ~1" - no off-site discharge very little run-off on very dry site.

Other Notes

10 Sep 2012:	*No items noted*
11 Sep 2012:	*No items noted*
12 Sep 2012:	*No items noted*
13 Sep 2012:	*No items noted*
14 Sep 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
17 Sep 2012 - 21 Sep 2012

Work Activities

2.1: Stage 3 Wetland Construction

17 Sep 2012: Moving soil from the former SE Pond - this was being placed on the West Oxidation Pond CAP.

Wet Stage III (SE Pond) water was pumped to Stage II.

18 Sep 2012: Excavating soil from SE Pond / Stage III wetlands.

SE Pond / Stage 3 Wetlands being excavated, soils placed as topsoil on West Pond Cap.

19 Sep 2012: RECON is beginning to haul topsoil from SE Pond onto West Pond Cap. RECON is also grading the Stage III wetlands (SE Pond).

RECON grading Stage III wetlands (SE Pond) and excavating soils for topsoil.

RECON spreading topsoil onto West Pond Cap - soil from SE Pond, will be amended with Manure.

RECON is grading top and edges of berms for Stage III wetlands.

20 Sep 2012: RECON continues moving soil from SE Pond to West Pond as topsoil (when amended with manure). RECON is grading SE Pond to obtain grades for Stage 3 wetlands.

Excavating and loading soil from SE Pond.

Dumping and spreading soil from SE Pond on the West Pond Cap.

Checking and marking Grade Stakes in the SE Pond (Stage 3 Wetlands).

21 Sep 2012: Continue hauling topsoil onto West Pond Cap from SE Pond. Grading Slopes of SE Pond (making Stage III Wetlands).

Removing soils from Stage III wetlands pond (SE Pond).

RECON dozer is spreading soils on the West Pond CAP.

5.3: Placement of Compacted Clay Layer

18 Sep 2012: Surveyor's are here today to topo survey pond and verify that we have 2' of clay on all the cap. Lift #3 Areas, A, B, and C are OK - ready to place topsoil!

Looking South down final graded West Pond CAP.

5.4: Placement of Topsoil Layer

17 Sep 2012: Site was wet, pumping water and working roads began hauling soil about mid morning. Smoothing up Cap and grading areas within Stage III Wetlands (SE Pond).

Wet soils on West Pond CAP.

Soils drying out on the CAP.

RFI or Out-of-Scope

17 Sep 2012: Water from Stage III was pumped to Stage II, no discharge from Wetlands in months.

Stage II Wetlands is still showing very good first year growth.

18 Sep 2012: Water management pumping rain water from SE Pond / Stage III to Stage II Wetlands.

Pumping out last of water ins from rains previous weekend.

21 Sep 2012: ASPLUNDH is on-site mowing MPA (primarily sunflowers & weeds!)

ASPLUNDH mowing MPA to knock down 5-6' high sunflowers and weeds.

Safety Items

17 Sep 2012:	None
18 Sep 2012:	None
19 Sep 2012:	None
20 Sep 2012:	None
21 Sep 2012:	None

Schedule

17 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands.
18 Sep 2012:	Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.
19 Sep 2012:	Finish topsoil on West Pond Cap, Finish Stage III Wetlands, etc...
20 Sep 2012:	Topsoil on the West Ponds CAP, Conversion of SE Pond to Stage III Wetlands,...
21 Sep 2012:	Topsoil to the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, Manure/tillage/seeding.

Equipment at the Site

17 Sep 2012:	See RECON Daily.
18 Sep 2012:	See RECON Daily.
19 Sep 2012:	See RECON Daily.
20 Sep 2012:	See RECON Daily.
21 Sep 2012:	See RECON Daily.

Unusual Items/Changes

17 Sep 2012:	None.
18 Sep 2012:	*No items noted*
19 Sep 2012:	None.
20 Sep 2012:	*No items noted*
21 Sep 2012:	*No items noted*

Other Notes

17 Sep 2012:	*No items noted*
18 Sep 2012:	*No items noted*
19 Sep 2012:	*No items noted*
20 Sep 2012:	*No items noted*
21 Sep 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
24 Sep 2012 - 26 Sep 2012

Work Activities

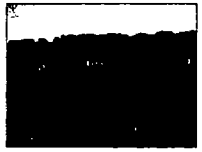
2.1: Stage 3 Wetland Construction

24 Sep 2012: Removing 6" of soil from Stage III (SE Ponds) placing it on the West Pond Cap (will be Topsoil once amended w/ Manure).

Removing soil from SE Pond.

Soil removed 6" below grade in SE Pond (Stage III wetlands pond) is being placed onto the West Ponds Cap.

25 Sep 2012: Removing 6" of soil from Stage III (SE Ponds) placing it on the West Pond Cap (Topsoil once amended w/ Manure).



Removing soil from SE Pond.

Soil from 6" removal stockpiled in SE Pond (Stage III wetlands pond).

26 Sep 2012: Wet and Raining, RECON planning to break for rotation at noon, leaves at 9:00 am.

Wet Stage III Wetlands Pond, ~1/4 to 1/2" of rain today.

5.1: West Pond Cover

25 Sep 2012: Ripped and Re-worked area F1 on third lift of CAP that failed perm result.

RFI or Out-of-Scope

24 Sep 2012: Young Electric is on-site installing Stainless Steel conduit and wiring controls for SW and GW sumps in the MPA Basin. This conduit replaces the conduit that was corroding due to the high pH of the RCC fines.

Stainless Steel conduit being replaced to SW and GW Sumps

25 Sep 2012: Young Electric is on-site finishing up the installation of the Stainless Steel conduit and wiring controls for SW and GW sumps in the MPA Basin.

Safety Items

24 Sep 2012: None

25 Sep 2012: None, lightning shutdown at 5:45 pm.

26 Sep 2012: None

Schedule

24 Sep 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands.

25 Sep 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands.

26 Sep 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands.

Equipment at the Site

24 Sep 2012: See RECON Daily.

25 Sep 2012: See RECON Daily.

26 Sep 2012: See RECON Daily.

Unusual Items/Changes

24 Sep 2012: None

25 Sep 2012: None

26 Sep 2012: RECON is breaking for Rotation

Other Notes

24 Sep 2012: *No items noted*

25 Sep 2012: *No items noted*

26 Sep 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
01 Oct 2012 - 05 Oct 2012

Work Activities

2.1: Stage 3 Wetland Construction

01 Oct 2012: Excavating and grading Stage 3 (SE Pond) bottom, moving 6" of soil from below liner elevation - to allow filling with 6" of better higher clay content soils from STF. RECON has finished grading out Stage 3 Pond Bottom ready to begin hauling in STF Soil as 6" lift.

Finished removing 6" of soil below pond bottom in Stage III (SE Pond).

02 Oct 2012: RECON begins to obtain borrow soil from STF Berms and spread it in a 6" lift into Stage III - replacing soils removed from Stage III and used as capping soils on the West Pond Cap. RECON hauled 80+ loads today.

RECON is loading borrow soil at the STF berms.

RECON is dumping and spreading soils into Stage III (SE Pond) as a 6" clay soil liner, replacing soils used on the West Pond Cap.

03 Oct 2012: RECON is obtaining borrow soil from STF Berms and spreading in a 6" lift into Stage III - replacing soils removed from Stage III and used as capping soils on the West Pond Cap. Finished placing 6" soil lift into Stage III, began to stockpile soil along west side of Stage III for benches following bentonite admixing of the 6" lift in Stage III.

RECON loading borrow soils from the STF.

RECON dumping and spreading 6" lift of clay soils into Stage III wetlands.

05 Oct 2012: Finished placing 6" Liner soils borrowed from STF. Placing and Mixing Bentonite @ 2 lbs/ft. Skid Steer to mix slopes has arrived on-site, start mixing slopes and the Stage III pond bottom liner (6" Deep).

Skid Steer mixing on side-slopes.

BOMAG mixing bottom of Stage III wetlands bentonite admixture.

Close-up photo showing Bentonite amended to the soil prior to tillage.

RECON is unloading Bentonite bulk bags from semi-truck.

2.2: Construct Stage 3 Wetlands

04 Oct 2012: RECON is spreading Bentonite in Stage III wetlands bottom liner, will then mix with 6" soil liner and compact.

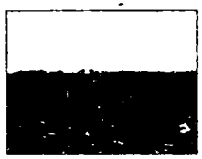
RECON spreading Bentonite in bulk bags across the Stage III wetlands pond liner.

RECON continuing to spread bentonite across measure areas based on 2lbs per foot average over set areas, based on shipped bag weights.

RECON moving bulk bags stored over the winter from the DECON pad to Stage III Wetlands.

5.1: West Pond Cover

01 Oct 2012: Hauling Soil to the West Pond CAP. Grading soil out on Cap



RECON dozer is grading out the West Pond Cap.

04 Oct 2012: RECON is working to grade cap.

RFI or Out-of-Scope

01 Oct 2012: Midwest Electric re-installed blower on pad, re-wired and tested. Blower is working.

Wetlands Stage II Blower re-installed on Concrete Pad between Stage I and II.

03 Oct 2012: Extra hauling/earthwork is part of RFI-013 to remove/replace 6" of soil from the bottom of the SE Pond (Stage III wetlands pond).

RECON spreading 6" lift of soil from STF into SE Pond (Stage III wetlands pond liner).

05 Oct 2012: Wetlands Blower - planning to add exhaust blower to enclosure.

Safety Items

01 Oct 2012: None

02 Oct 2012: None

03 Oct 2012: None

04 Oct 2012: None

05 Oct 2012: None

Schedule

01 Oct 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System install.

02 Oct 2012: Topsoil on the West Pond Cap, Conversion of SE Pond to Stage III Wetlands, Manure / tillage / planting/ seeding.

03 Oct 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, Fine Grading/Tilling/Seeding.

04 Oct 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, planting & Seeding.

05 Oct 2012: Conversion of SE Pond to Stage III Wetlands, Seeding of Cap and Wetlands, Drainage pipe from behind Decon Pad.

Equipment at the Site

01 Oct 2012: See RECON Daily.

02 Oct 2012: See RECON Daily.

03 Oct 2012: See RECON Daily.

04 Oct 2012: See RECON Daily.

05 Oct 2012: See RECON Daily.

Unusual Items/Changes

01 Oct 2012: None.

02 Oct 2012: *No items noted*

03 Oct 2012: *No items noted*

04 Oct 2012: Begin placing Bentonite as soil liner admixture into Stage III.

05 Oct 2012: None.

Other Notes

01 Oct 2012: *No items noted*

02 Oct 2012: *No items noted*

03 Oct 2012: *No items noted*

04 Oct 2012: *No items noted*

05 Oct 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
08 Oct 2012 - 12 Oct 2012

Work Activities

2.2: Construct Stage 3 Wetlands

08 Oct 2012: Continue to place bentonite into Stage III onto the 6" soil lift that was brought into Stage III from STF Borrow (clay soils). RECON is mixing as applied and compacting.

RECON is spreading granular Bentonite if bulk bags across Stage III Wetlands.

RECON is mixing bentonite into upper 6" of soil creating a bentonite amended clay soil liner.

RECON mixing bentonite into soils on the slopes of the Stage III wetlands ponds.

08 Oct 2012: RECON is stockpile borrow soil from the STF to be used for Stage III soil benches along the west side of Stage III wetlands (on top of the West Ponds Cap/Topsoil)

RECON stockpiling soil for Wetlands Stage III - soil benches.

09 Oct 2012: Recon performed compaction and fine grading of the Stage 3 Pond. Water was added to moisten the soil and a sheeps-foot compactor was used to compact the soil.

Moisture Conditioning and Compacting Stage 3

09 Oct 2012: Recon excavated and transported soil from the STF to Stage 3. The soil will be used to construct the planting benches in Stage 3. The soil was stockpiles along the western bank of Stage 3. Work was stopped mid-morning because the excavator over heated.

Recon excavating STF soil for use in Stage 3 benches

Soil stockpiled on western bank of Stage 3

10 Oct 2012: Recon performed compaction and fine grading of the Stage 3 Pond. Began to fill in the first bench, determined that soil compaction and moisture testing was required. Terracon was called in and testing performed, but moisture levels were low. Water was added to moisten the soil and the soil mixer was utilized w/ the ripping dozer to mix the water into the soil.

Mixing bentonite amended layer to increase moisture content after watering the bottom of the Stage III wetlands pond.

10 Oct 2012: Recon began to place soils into Stage III. The soil will be used to construct the planting benches in Stage III. The soil was stockpiles along the western bank of Stage 3. Work was stopped ~1/2 to 3/4 way done with first bench - once it was determined that compaction testing was not performed as required.

Spreading soils from Stockpiles into Stage III wetlands planting benches.

Stage III wetlands planting media bench, removed later in the day to perform Stage III soil liner compaction testing.

10 Oct 2012: RECON fixed HCS#3 which did not seal tightly to the new HCS #3 pre-cast box, by placing mastic behind the stainless steel gate structure and the precast box. RECON also finished the MPA Spring mitigation system access road.

RECON fixing HCS #3 so that it seals more tightly around the gate structure to precast box.

MPA Spring mitigation system access road

11 Oct 2012: Recon performed compaction and fine grading of the Stage 3 Pond. Water was added to moisten the soil and a sheeps-foot compactor was used to compact the soil.

Moisture Conditioning and Compacting Stage 3

11 Oct 2012: Recon excavated and transported soil from the STF to Stage 3. The soil will be used to construct the planting benches in Stage 3. The soil was stockpiles along the western bank of Stage 3. Work was stopped mid-morning because the excavator over heated.

Recon excavating STF soil for use in Stage 3 benches

Soil stockpiled on western bank of Stage 3

12 Oct 2012: Recon performed compaction and fine grading of the Stage 3 Pond. Water was added to moisten the soil and a sheeps-foot compactor was used to compact the soil.

Moisture Conditioning and Compacting Stage 3

12 Oct 2012: Terracon came and performed field Nuke density/moisture testing (results were e-mailed later today) and all moisture results were above target

Recon compacting soil within the Stage III Wetlands Pond Bottom.

Compacted / Moist Stage III Wetlands

4.1: AHA Pit and Pile Activities

09 Oct 2012: Recon repaired the chain link security fence that was removed previously to provide access to the AHA.

11 Oct 2012: Recon repaired the chain link security fence that was removed previously to provide access to the AHA.

5.7: Surveying

08 Oct 2012: Surveyors are on-site working on West Pond Cap to check slopes.

5.8: Spring Manhole Installation

09 Oct 2012: Recon began construction of the Spring Mitigation system access road.

MPA Spring mitigation system access road

11 Oct 2012: Recon began construction of the Spring Mitigation system access road.

MPA Spring mitigation system access road

Safety Items

08 Oct 2012: None

09 Oct 2012: nothing noted

10 Oct 2012: Nothing significant noted, confined space entry permit was used for HCS#3 repair.

11 Oct 2012: nothing noted

12 Oct 2012: Lightning Shutdown at 2:45 - 3:30 left site

Schedule

08 Oct 2012: Capping of the West Ox Pond, Conversion of SE Pond to Stage III Wetlands, MPA Spring System final items.

09 Oct 2012: continue to work on Stage 3 compacting and constructing benches

10 Oct 2012: Continue to work on Stage 3 compacting and constructing benches

11 Oct 2012: continue to work on Stage 3 compacting and constructing benches

12 Oct 2012: Continue to work on Stage 3 wetting/compacting bottom and constructing benches

Equipment at the Site

08 Oct 2012: See RECON Daily.

09 Oct 2012: 1 Backhoe, 1 trackhoe, 1 compactor, 3 off-road trucks, 2 dozers, 1 bomag, misc field equipment

10 Oct 2012: 1 Backhoe, 1 trackhoe, 1 compactor, 3 off-road trucks, 2 dozers, 1 bomag, misc field equipment

11 Oct 2012: 1 Backhoe, 1 trackhoe, 1 compactor, 3 off-road trucks, 2 dozers, 1 bomag, misc field equipment

12 Oct 2012: See RECON Daily

Unusual Items/Changes

08 Oct 2012: Finished spreading/mixing Bentonite into Stage III to 0-6" Soil Liner.

09 Oct 2012: Recon's trackhoe overheated and was shut down mid-morning. A mechanic will look at it on 10/10/12.

10 Oct 2012: Recon's trackhoe overheated and was yesterday mechanic on-site repairing.

11 Oct 2012: Recon's trackhoe overheated and was shut down mid-morning. A mechanic will look at it on 10/10/12.

12 Oct 2012: Terracon on-site took field density/moisture readings for Stage III Bentonite Amended Soils - all results passed! Ready to spread soils into Stage III when we had the lightning shutdown.

Other Notes

08 Oct 2012: *No items noted*

09 Oct 2012: *No items noted*

10 Oct 2012: *No items noted*

11 Oct 2012: *No items noted*

12 Oct 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
15 Oct 2012 - 19 Oct 2012

Work Activities

2.2: Construct Stage 3 Wetlands

15 Oct 2012: Recon is pumping water out of Stage III wetlands pond following 2.25" rain this weekend, once water is pumped down will use dozers to work water towards the pumps at the north end. Dry topsoil stockpiled in wetlands media benches will then be pushed into the pond (depth of 1').

Photo Showing flooded Stage III wetlands following weekend 2.25" rains.

Northern end of flooded Stage III wetlands.

15 Oct 2012: Recon is still pumping water from Stage III, pushing in benches and working pond bottom to dry out the bottom soils/level the bottom and install the wetlands plant media topsoil benches.

RECON is pumping water from Stage III to Stage II wetlands

RECON pumping the last of the water from Stage III.

Soil benches having been pushed into Stage III by end of day, where water was at the beginning of the day.

16 Oct 2012: RECON is hauling and spreading soil while grading wetlands plant soil benches in Stage III.

Stage III Wetlands soil benches, and West Pond Cap beyond the wetlands empty pond.

16 Oct 2012: Recon excavated and transported soil from the STF to Stage 3. As RECON was excavating borrow soils found impacted soils near a central corner of the west central berm.

Close-up of impacted soils. Soils were black and greasy in appearance.

Area that contained black/soils was isolated and soils were not taken from this area (~20x50' long very roughly estimated - unknown thickness).

Another view of impacted soils.

17 Oct 2012: Recon excavated and transported soil from the STF to Stage 3 and to the center of the cap. The soil will be used to construct the planting benches in Stage 3. The soil that was stockpiles along the western bank of Stage 3 was being pushed out onto the benches and leveled.

Stage III wetlands planting media Bench.

RECON grading Wetlands Stage III Bench.

18 Oct 2012: Soil in Stage 3 was being pushed out onto the benches, graded, and leveled. Water areas were also fine graded.

Stage III wetlands planting media soil bench staked out.

Fine grading (w/ Laser Level) Stage III benches.

19 Oct 2012: RECON was leveling benches in Stage III, checking elevations and fine grading. Still need to install final topsoil.

Stage III Wetlands with all but topsoil installed.

5.4: Placement of Topsoil Layer

17 Oct 2012: RECON was checking Cap (wet from weekend rain), topsoil is drying out enough to begin hauling more soils to raised final grade to 2.5% minimum slope across the cap.

RECON grading West Pond Cap.

STF Borrow from former Tank Berm loading to take to West Pond Cap.

18 Oct 2012: RECON was checking Cap (wet from weekend rain), topsoil is drying out enough to begin hauling more soils to raised final grade to 2.5% minimum slope across the cap.

RECON hauling and spreading soils on West Pond Cap.

19 Oct 2012: Recon excavated and transported soil from the STF to the center of the cap. The soil will be used to construct the planting benches in Stage 3. RECON used Wooden Mats as drag behind off-road truck to fine level the Cap.

MPA Cap with 2.5% soils added to center.

RECON Dragging mats to level the cap.

RFI or Out-of-Scope

19 Oct 2012: RECON also working to DECON trucks, and maintenance equipment.

Safety Items

15 Oct 2012:	Wet Site, Slippery site, footing/machine entry/exit...
16 Oct 2012:	None, other than checking impacted soils (no strong odors, minimal vapors observed)
17 Oct 2012:	nothing noted
18 Oct 2012:	None.
19 Oct 2012:	nothing noted

Schedule

15 Oct 2012:	continue to work on Stage 3 compacting and constructing benches, final grading on West Pond cap (2.5%)
16 Oct 2012:	continue to work on Stage 3 compacting and constructing benches, begin placing topsoil on west ponds cap to obtain 2.5% slope, Still need to fine grade, manure amend, till, and seed.
17 Oct 2012:	continue to work on Stage 3 compacting and constructing benches, begin placing topsoil on west ponds cap to obtain 2.5% slope.
18 Oct 2012:	Continue to work on Grading west ponds cap to obtain 2.5% slope. Will need to amend, and plant Cap, finalize Stage III Wetlands.
19 Oct 2012:	continue to work on Stage 3 topsoil placing for constructing benches, planting/seeding. Manure amendment for cap is scheduled for next week.

Equipment at the Site

15 Oct 2012:	See RECON Daily
16 Oct 2012:	See RECON Daily
17 Oct 2012:	See RECON Daily
18 Oct 2012:	See RECON Daily
19 Oct 2012:	See RECON Daily

Unusual Items/Changes

15 Oct 2012:	Site is wet from 2.25" rains over weekend, Stage III has ~6" of water standing, drying site pushing in soil benches for wetlands plants from stockpiled soils - into Stage III.
16 Oct 2012:	Found impacted soils within the STF Berms using as soil borrow and topsoil for West Pond Cap and Stage III Wetlands soil benches. Area was quickly identified and no soil was obtained from the impacted areas and minimal disturbance of the impacted soil occurred.
17 Oct 2012:	Site remain wet in places, but is mostly drying out.
18 Oct 2012:	Site is mostly dryed out.
19 Oct 2012:	Site is dry

Other Notes

15 Oct 2012:	*No items noted*
16 Oct 2012:	*No items noted*
17 Oct 2012:	*No items noted*
18 Oct 2012:	*No items noted*
19 Oct 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
22 Oct 2012 - 24 Oct 2012

Work Activities

2.2: Construct Stage 3 Wetlands

22 Oct 2012: RECON was leveling and hauling topsoil into Stage III, placing the final 6" of soil, checking elevations and grading out the benches and fine grade in the final elevations.

Topsoil dumped onto wetlands planting media Benches in Stage III, prior to final fine grading.

23 Oct 2012: RECON was leveling and hauling topsoil into Stage III, placing the final 6" of soil, checking elevations and grading out the benches and fine grade in the final elevations. RECON was also installing piping from HCS #2 to the inlet piping in Stage III Wetlands.

RECON is placing and spreading topsoil on Wetlands planting soil benches inside of Stage III Wetlands.

RECON connecting 4" HDPE piping from HCS #2 to Inlet Piping to be installed in Stage III Wetlands.

24 Oct 2012: RECON fine grading in Stage III, hauling topsoil as needed. Installing Inlet and Outlet 4" Diameter Perforated Piping

RECON Installing Stage III Wetlands Inlet Piping.

Close-up photo of weighted and banded pipe joint section.

RECON connecting outlet piping from Stage III wetlands to HCS #3.

5.5: Amend Topsoil

22 Oct 2012: RECON had all 50 loads of manure delivered today, working still today to spread it out. Will have Kirks Excavation disc and harrow in the manure to mix it with the soil.

Manure Piles on the West Ponds Cap.

West Pond Cap showing multiple manure piles from Semi-truck Belly Dumps.

Photo of West Pond Cap w/ Piles Spread on the north end of cap.

23 Oct 2012: RECON had all 50 loads of manure delivered yesterday, working still today to spread it out and have Kirks Excavation scheduled for tomorrow to disc and harrow in the manure mixing with the soil.

Manure Piles that have been rough spread out by RECON.

Northern End of West Pond Cap following spreading of manure on the cap.

24 Oct 2012: Kirk Excavation is on-site today to disc and harrow in the manure mixing with the upper 6" of topsoil.

Kirk Excavation disking the West Pond Cap in preparation for seeding the cap with grasses/wildflowe

Kirk Excavatio n using box blade for fine leveling of the site.

r mix.

Safety Items

22 Oct 2012:	None.
23 Oct 2012:	None.
24 Oct 2012:	None.

Schedule

22 Oct 2012:	Amending Topsoil, mixing manure w/ existing soil, planting. Continue to work on Stage 3 constructing plantingbenches, finish placing topsoil. Wetlands contractor on-site tomorrow will see about planting the wetlands this year or next (amount of water needed is a concern).
23 Oct 2012:	Amending Topsoil, mixing w/ existing soil, planting. Continue to work on Stage 3 compacting and constructing benches, finish placing topsoil. Wetlands contractor on-site tomorrow will see about planting the wetlands this year or next (amount of water needed is a concern).
24 Oct 2012:	Seeding and Planting Stage III . RECON wetlands planting contractor (AES) was on-site today and was OK with planting the wetlands this year will provide a letter to RECON (amount of water needed was not a high level concern).

Equipment at the Site

22 Oct 2012:	See RECON Daily
23 Oct 2012:	See RECON Daily
24 Oct 2012:	See RECON Daily

Unusual Items/Changes

22 Oct 2012:	50 semi-truck loads of manure was delivered to amend soils on the West Pond Cap. Site is still very dry.
23 Oct 2012:	Site is now dry, weekend was hot/dry - RECORD high of 90 degrees today (10/23!)
24 Oct 2012:	Site is now dry, weekend was hot/dry.

Other Notes

22 Oct 2012:	*No items noted*
23 Oct 2012:	*No items noted*
24 Oct 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
30 Oct 2012 - 02 Nov 2012

Work Activities

1.4: Structure Demolition

01 Nov 2012: RECON is loading demo debris and construction waste, metals for recycling.

RECON loading recyclable metal debris.

RECON sorting and loading recyclable metal debris.

2.2: Construct Stage 3 Wetlands

30 Oct 2012: RECON was surveying the upper elevation and installed Geotextile in Stage III, began placing Rip Rap around the water line for Stage III.

RECON is installing Geo Textile on the water line of Stage III Wetlands.

Rip Rap installed on the Geotextile in Stage III Wetlands.

31 Oct 2012: RECON was surveying the upper elevation and installed Geotextile in Stage III, began placing Rip Rap around the planned water line for Wetlands Stage III.

Discharge Line from Stage III with newly installed rip rap.

Rip Rap being installed on the Geotextile in Stage III Wetlands.

Delivery of Rip Rap to the MPA stockpile.

02 Nov 2012: RECON finished installation of Geotextile in Stage III, finished placing Rip Rap around the water line for Stage III.

Stage III final, except for connection of Inlet piping and seeding.

Another view of Stage III (middle of wetlands)

Northern End of Stage III Wetlands.

5.4: Placement of Topsoil Layer

01 Nov 2012: RECON was surveying the upper elevation and installed Geotextile in Stage III, began placing Rip Rap around the water line for Stage III.

RECON is tilling/fine grading areas around the pond CAP in preparation for seeding. Removing haul road used for Rip Rap placement.

RECON final grading cap, removing temp erosion control berm finalizing for seeding by AES.

5.6: Seeding

30 Oct 2012: RECON has AES (Applied Ecological Services) seeding the STF using a no-till drill and mulched native grass cover. AES will be seeding the rest of the site over the next couple of weeks.

Seeding of former tank berm location in South Tank Farm (STF).

Close up view of seeding in STF.

31 Oct 2012: RECON has AES (Applied Ecological Services) seeding the STF using a no-till drill and mulched native grass cover. AES will be seeding the rest of the site over the next couple of weeks.

Preparing to mulch a former tank berm location in South Tank Farm (STF).

AES is using straw blower to place mulch in the STF.

01 Nov 2012: RECON has AES (Applied Ecological Services) seeding the STF using a no-till drill and mulched native grass cover. AES will be seeding the rest of the site over the next couple of weeks.

AES delivered to the site square bales.

AES applying mulch to the site.

02 Nov 2012: RECON has AES (Applied Ecological Services) seeding the STF using a no-till drill and mulched native grass cover. AES will be seeding the rest of the site over the next couple of weeks.

Crimper (rolling coulter) that AES has brought on-site to set the grass on the cover and help prevent erosion.

Close up view of no-till drill that AES is using for seeding.

Safety Items

30 Oct 2012: None.

31 Oct 2012: None.

01 Nov 2012: None.

02 Nov 2012: None.

Schedule

30 Oct 2012: Begin Seeding work on-site a milestone along the way to finishing the on-site activities.

31 Oct 2012:	Seeding, possible wetlands plating, MPA Basin, and DECON pad drainage work.
01 Nov 2012:	Begin Seeding work on-site a milestone along the way to finishing the on-site activities.
02 Nov 2012:	Continue seeding work & RFI on-site activities.

Equipment at the Site

30 Oct 2012:	See RECON Daily
31 Oct 2012:	See RECON Daily
01 Nov 2012:	See RECON Daily
02 Nov 2012:	See RECON Daily

Unusual Items/Changes

30 Oct 2012:	Site remains very dry, and forecast is for 10+ days of continued dryness.
31 Oct 2012:	Site remains very dry, and forecast is for continued dryness.
01 Nov 2012:	Site remains very dry, and forecast is for continued dryness.
02 Nov 2012:	Site remains very dry, and forecast is for continued dryness.

Other Notes

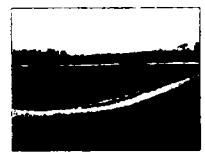
30 Oct 2012:	*No items noted*
31 Oct 2012:	*No items noted*
01 Nov 2012:	*No items noted*
02 Nov 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
05 Nov 2012 - 09 Nov 2012

Work Activities

2.2: Construct Stage 3 Wetlands

05 Nov 2012: RECON has finished Rip Rap in Stage 3 Wetlands, other than connecting "T" on inlet pipe to let water in and planting Stage 3 Wetlands is complete.



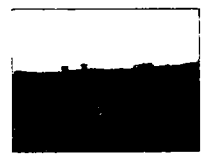
Stage 3 Wetlands complete except for inlet pipe connection and planting (possible this year or in early spring).

06 Nov 2012: RECON has finished Rip Rap in Stage 3 Wetlands, other than connecting "T" on inlet pipe to let water in and planting Stage 3 Wetlands is complete.

5.6: Seeding

05 Nov 2012: RECON has AES (Applied Ecological Services) seeding the STF using a no-till drill and mulched native grass cover. AES was instructed to switch to the MPA Cap as it is final and needs seeded preferentially AES will be seeding the rest of the site over the next couple of weeks.

AES is planting the West Pond Cap.



AES is working on far end (southern end) of West Pond CAP.

06 Nov 2012: RECON has AES (Applied Ecological Services) seeding the STF using a no-till drill and mulched native grass cover. AES was instructed to switch to the MPA Cap as it is final and needs seeded preferentially AES will be seeding the rest of the site over the next couple of weeks. AES is working from South to North across the MPA Cap.

AES is mulching (Shredded Hay) the West Pond Cap.

AES No-till drill used to seed the MPA CAP.

07 Nov 2012: RECON has AES (Applied Ecological Services) seeding the West Pond Cap using a no-till drill and mulched native grass cover. AES was instructed to switch to the West Pond Cap as it is final and needs seeded preferentially. AES is working from South to North across the MPA Cap and is also working on the inside of berms in Stages I, II, and III of the Wetlands. AES mulch blower has broken a belt and they will be fixing it and returning.

AES drilling West Pond CAP, crimper is detached from tractor.

08 Nov 2012: RECON has AES (Applied Ecological Services) seeding the West Pond CAP using a no-till drill and mulched native grass cover. AES was instructed to switch to the West Pond Cap as it is final and needs seeded preferentially AES will be seeding the rest of the site over the next couple of weeks. AES is working from West to East across the West Pond Cap.

AES is mulching West Pond Cap

AES starting to mulch West Pond Cap.

09 Nov 2012: RECON has AES (Applied Ecological Services) seeding the AHA/STF/West Pond Cap using a no-till drill and mulched native grass cover. AES was instructed to switch to the West Pond Cap as it is final and needs seeded preferentially AES will be seeding the rest of the site and was working in the AHA today. AES switched to seeding / mulching / crimping the west side of the MPA Basin since RECON had finished that side of the MPA Basin stabilization.

AES is seeding the west side of the MPA Basin.

AES is crimping mulch on the west side of the MPA Basin.

Fertilizer used by AES in the AHA Cap area.

AES mulching the West Pond Cap.

AES seed drill and finished AHA Pit Cover/Cap.

6.4: Electrical Demolition

09 Nov 2012: RECON loaded electrical transformers from removal of on-site power equipment onto a Clean Harbors flat-bed semi-truck for off-site disposal by Clean Harbors.

RECON is loading electrical transformers for off-site disposal by Clean Harbors.

RECON is loading electrical transformers for off-site disposal by Clean Harbors.

RFI or Out-of-Scope

05 Nov 2012: RFI-010 MPA Basin sidewalls is underway, RECON began chain trenching but chain trencher would not keep removed soil out of the trench, switched to backhoe.

Chain Trencher did not work on the MPA Basin, due to soils falling into the trench.

06 Nov 2012: RFI-010 MPA Basin sidewalls is underway, RECON began chain trenching but chain trencher would not keep removed soil out of the trench, switched to backhoe. RECON has trenched most of the west side of the basin, RECON has also pushed down fines and covered erosion rills, will soon be spreading out Geo-textile and anchoring it down. MWH has pumped down the MPA Basin and will be pumping it out to Stage I (which was very low due to drought).

RECON trenching for an anchor trench for geotextile to be placed over the MPA Basin fines to stop erosion of fines into the MPA Basin.

RECON is installing Geotextile from anchor trench to the MPA Basin - elevation of 1294'.

RECON is installing Rip Rap from elevation 1294' to 1297' on top of black geotextile already installed.

07 Nov 2012: MWH is pumping water from MPA Basin to Wetlands , to dewater MPA Basin for RECON to perform RFI-010 Fines Stabilization and to remove fines from the outlet discharge.

Hoses for pumping from MPA Basin SW Sump pump to HDPE Groundwater PL (leads under RR tracks to UOWS/Wetlands).

Water Bypass circulation to reduce flow-rate to UOWS/Wetlands.

Increased flows in Cascade Aerator (flow is from UOWS) due to pumping MPA Basin to Wetlands.

07 Nov 2012: RFI-010 MPA Basin sidewalls is underway trenching w/ backhoe. RECON has trenched the west side of the basin, RECON began spreading out Geo-textile and anchoring it down. RECON has began to place RIP RAP on the Geo-textile. MWH continues to pump down the MPA Basin and it is almost pumped out with water being put into Stage I (which was very low due to drought).

RECON spreading Geo-textile down MPA Basin slope.

RECON placing Rip Rap.

RECON's Progress on MPA Basin - most of west side is covered.

RECON placing soil over the upper portion of geotextile near northwest corner of MPA Basin.

08 Nov 2012: RFI-010 MPA Basin sidewalls is underway, RECON began chain trenching but chain trencher would not keep removed soil out of the trench, switched to backhoe. RECON has trenched most of the west side of the basin, RECON has also pushed down fines and covered erosion rills, will soon be spreading out Geo-textile and anchoring it down. MWH has pumped down the MPA Basin and it is almost pumped out with water being put into Stage I (which was very low due to drought).

RECON placing Rip-Rap around the north end of the MPA Basin.

RECON is trenching for geotextile anchor trench along east side of MPA Basin.

RECON is placing geotextile over fines along east side of MPA Basin.

09 Nov 2012: RFI-010 MPA Basin sidewalls is progress RECON is working on east side of the MPA Basin. MWH has pumped down the MPA Basin and it is almost pumped out with water being put into Stage I (which was very low due to drought). Once water is pumped out, fines can be removed and the south end of the MPA Basin stabilized.

RECON is working on East Side of MPA Basin stabilizing fines w/ geotextile/RI P RAP/ Soil cover.

Looking north at MPA Basin, RECON is on East Side of MPA Basin stabilizing fines w/ geotextile/RI P RAP/ Soil cover.

Safety Items

05 Nov 2012: None.

06 Nov 2012: None.

07 Nov 2012: None.

08 Nov 2012: None.

09 Nov 2012: None.

Schedule

05 Nov 2012: RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

06 Nov 2012: RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

07 Nov 2012: RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

08 Nov 2012: RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

09 Nov 2012: RFI-010 along with finishing seeding and wetlands plantings (possible).

Equipment at the Site

05 Nov 2012: See RECON Daily

06 Nov 2012: See RECON Daily

07 Nov 2012: See RECON Daily

08 Nov 2012: See RECON Daily

09 Nov 2012: See RECON Daily

Unusual Items/Changes

05 Nov 2012: Site remains very dry, and forecast is for 5 days of continued dryness. Possible next weekend rainfall.

06 Nov 2012: Site remains very dry, and forecast is for continued dryness through the rest of the week. Possible rain/storms this coming weekend.

07 Nov 2012: Site remains very dry, and forecast is for continued dryness through the rest of the week.

08 Nov 2012: Site remains very dry, and forecast is for continued dryness through the rest of the week.

09 Nov 2012: Site remains very dry, and forecast is for continued dryness through the rest of the week.

Other Notes

05 Nov 2012: *No items noted*

06 Nov 2012: *No items noted*

07 Nov 2012: *No items noted*

08 Nov 2012: *No items noted*

09 Nov 2012: *No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
12 Nov 2012 - 15 Nov 2012

Work Activities

2.2: Construct Stage 3 Wetlands

13 Nov 2012: RECON has finished Rip Rap in Stage 3 Wetlands, other than connecting "T" on inlet pipe to let water in and planting Stage 3, Wetlands is complete.

Completed Stage III Wetlands (other than T and flooding).

15 Nov 2012: RECON is connecting the final inlet "T" to the Stage III since AES is final on planting the wetlands today. Will begin to fill and flood Stage III today.

RECON is connecting inlet "T" to Stage III from HCS #2.

Beginning to flood Stage III of the Wetlands. Note Plants are shown on wetlands soil media benches.

2.4: Plant Stage 3 Wetlands

14 Nov 2012: RECON has AES (Applied Ecological Services) is just beginning to plant Stage III of the Wetlands.

15 Nov 2012: RECON has AES (Applied Ecological Services) is planting Stage III of the Wetlands.

AES is planting Stage III of the Wetlands.

AES nearing completion of planting of Stage III Wetlands.

5.6: Seeding

13 Nov 2012: RECON had AES (Applied Ecological Services) seeding the West Pond Cap using a no-till drill and mulched native grass cover. AES Still has the wetlands to plant over the next couple of weeks. AES worked from South to North across the West Pond Cap and has finished the CAP and the inside and outsides of berms in Stages I, II, and III of the Wetlands.

Looking across CAP at seeded and mulched cover.

Looking South over West Pond Cap - Seeded and Mulched.

RFI or Out-of-Scope

12 Nov 2012: RECON collected surface asphaltic soils near the stockpile areas, scraped up, and stockpiled. Ready to load and remove from site.

RECON is scraping up asphaltic soils.

Stockpile of asphaltic soils once finished collecting.

12 Nov 2012: RECON is removing deck on the back of the field office house on North Topeka. The deck had rotted and was in danger of falling through.

RECON removing deck and hot tub from back of house.

After the deck and hot tub had been removed, RECON will obtain concrete steps for the back door soon.

12 Nov 2012: RFI-010 MPA Basin sidewalls is underway, RECON is spreading out Geo-textile and placing rip rap on basin sides. MWH has pumped down the MPA Basin and it is almost pumped out with water being put into Stage I (which was very low due to drought).

13 Nov 2012: RFI-010 MPA Basin sidewalls is underway, RECON is hauling soil to the east side slope of the MPA Basin. MWH has pumped down the MPA Basin and it is almost pumped out with water being put into Stage I (which was very low due to drought).

Looking South across MPA Basin - east slope is having soil spread over.

Looking North across MPA Basin - east slope is being soil covered.

14 Nov 2012: RECON is installing the 4" corrugated HDPE drainage pipe from north of the Decon Pad to the Wetlands Stage I

RECON is beginning excavation for drainage PL from area north of DECON Pad to Stage I Wetlands.

RECON is setting inlet structure for stormwater within low area north of DECON pad.

Pipeline installed from inlet structure running south to Stage I Wetlands.

RECON excavating additional trench - beginning to cross buried site utilities - and access road.

14 Nov 2012: Dewatering of MPA Basin continues with 12" PVC becoming exposed late in the day.

MPA Basin pumping down at 9:53 am.

12 " PVC line is beginning to be exposed at 11:58 am.

12" PVC line is now ~1/2 exposed at 1:14 pm.

15 Nov 2012: RECON is installing the 4" corrugated HDPE drainage pipe from north of the Decon Pad to the Wetlands Stage I

RECON is trenching for SW Drainage Pipe along east side of DECON pad.

RECON encountered a yellow pipeline during excavation. Work was stopped and PL's double checked, believed to be firewater line that used yellow piping - no gas PL's are present near this location.

RECON has excavated under buried electric power line (de-energized) and to Stage I Wetlands.

RECON installing Drop Inlet structure for stormwater runoff, near the NW corner of Stage I Wetlands.

Safety Items

12 Nov 2012:	None.
13 Nov 2012:	None.
14 Nov 2012:	None.
15 Nov 2012:	None.

Schedule

12 Nov 2012:	Finish RFI-010 along with finishing seeding and wetlands plantings (possible).
13 Nov 2012:	RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).
14 Nov 2012:	RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible). With pumping down of MPA Basin sediment removal under discharge pipe can proceed.
15 Nov 2012:	RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

Equipment at the Site

12 Nov 2012:	See RECON Daily
13 Nov 2012:	See RECON Daily
14 Nov 2012:	See RECON Daily
15 Nov 2012:	See RECON Daily

Unusual Items/Changes

12 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week.
13 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week.
14 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week.
15 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week.

Other Notes

12 Nov 2012:	*No items noted*
13 Nov 2012:	*No items noted*
14 Nov 2012:	*No items noted*
15 Nov 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
26 Nov 2012 - 30 Nov 2012

Work Activities

2.2: Construct Stage 3 Wetlands

26 Nov 2012: RECON is pumping w/ 4" trash pump the last of the water from the MPA Basin to the Wetlands (under the RR tracks in existing PL). This is in preparation to remove fines from around the MPA Basin outlet 12" PVC piping. All Part of RFI-010.

RECON setting up to pump out MPA Basin.

After pumping out the MPA Basin the 12" PVC line is exposed.

Added flow from pumping out MPA Basin is shown in the cascade aerator as it enters the metals precip basin.

27 Nov 2012: RECON is finished w/ Stage III, took pictures as it is continuing to flood with water covering over the planted/seeded wetland benches.

Stage III Wetlands as they are flooding over benches.

View looking NE of Stage III Wetlands as benches are flooded. Discharge piping at bottom of photo.

Stage II which is draining into Stage III - but also getting additional water from Stage I.

28 Nov 2012: RECON is finishing final touches to site. Removed SW check dam that was placed in the west drive ditch to divert all SW to the MPA. SW from the now finished AHA will partially now flow down the west entrance ditch. Picked up trash on the main entrance road (AGAIN...). Moved extra concrete manhole section w/ steps from MPA Spring system install to DECON Pad. RECON shipped off supplies and materials for demobilization.

30 Nov 2012: Stage 3 Wetlands, is filling slowly with water, benches are 90% covered.

Stage III Wetlands wet lands planting benches are nearly covered.

Stage II Wetlands have became dormant this fall.

5.6: Seeding

30 Nov 2012: RECON is seeding the south end of the MPA Basin.

MPA Basin - South end ready to be seeded.

Photo of 12" PVC outlet from MPA Basin, note clean-out of fines surrounding the outlet.

6.1: Mobilization

27 Nov 2012: RECON has cleaning out Office Trailer and Conex, Electrician arrived and disconnected office trailer from power supply. RECON is picking up/ cleaning up site.

29 Nov 2012: RECON continues site clean-up and de-mobilization.

30 Nov 2012: RECON is decontaminating equipment, performing O&M, and demobilizing material and equipment.

RFI or Out-of-Scope

26 Nov 2012: RECON is adding fines around the MPA Basin SW sump after surrounding ground level has settled (concrete fines).

Spreading additional fines around the MPA Basin SW sump.

Fines were also added to and graded over the gravel access pad near the MPA Basin Sumps and electrical control panel.

28 Nov 2012: RFI-010 MPA Basin MWH has pumped down the MPA Basin with water being put into Stage I (which was very low due to drought). CDH is on-site today to remove concrete crusher fines from around the MPA Basin 12" outlet to the MPA Basin SW Sump.

CDH Vacuum Excavation truck

Vacuum excavation of the concrete fines from the MPA Basin. Also took a short video of the excavation in progress.

29 Nov 2012: RECON is installing RIP RAP on the south end of the MPA Basin. This finishes the MPA Basin fines stabilization RFI-010, except for re-seeding the south end. They are planning on that tomorrow.

Safety Items

26 Nov 2012: None.

27 Nov 2012: None.

28 Nov 2012: None.

29 Nov 2012: None.

30 Nov 2012: None.

Schedule

26 Nov 2012: Finishing seeding and demobilization.

27 Nov 2012: RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

28 Nov 2012: Finishing RFI-010 MPA Basin fines stabilization. Demobe.

29 Nov 2012: Seeding final areas, demobilization.

30 Nov 2012: RFI -008 and RFI-010 along with finishing seeding and wetlands plantings (possible).

Equipment at the Site

26 Nov 2012:	See RECON Daily
27 Nov 2012:	See RECON Daily
28 Nov 2012:	See RECON Daily
29 Nov 2012:	See RECON Daily
30 Nov 2012:	See RECON Daily

Unusual Items/Changes

26 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week.
27 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week. Sub freezing temps have
28 Nov 2012:	Site remains very dry, and forecast is for continued dryness.
29 Nov 2012:	Site remains very dry, and forecast is for continued dryness.
30 Nov 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week. Possible rain/storms this coming weekend.

Other Notes

26 Nov 2012:	*No items noted*
27 Nov 2012:	*No items noted*
28 Nov 2012:	*No items noted*
29 Nov 2012:	*No items noted*
30 Nov 2012:	*No items noted*

El Dorado Pond Closure
Multiple Day Activity Report
03 Dec 2012 - 05 Dec 2012

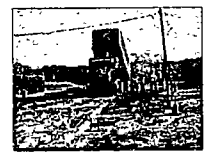
Work Activities

6.1: Mobilization

03 Dec 2012:	RECON has Mobil Mini pick-up field office and Conex Box. RECON has rental excavator picked-up.
05 Dec 2012:	RECON is performing O&M and shipping out the last of the heavy equipment and supplies from the site.

6.2: Project Facilities

03 Dec 2012:	RECON is grading roads and moving from field office to house office. Demobing and O&M of equipment.
04 Dec 2012:	RECON is grading roads and spreading gravel on roads disturbed by heavy equipment traffic near the Decon Pad, Temp Office, and on to the RR Crossing.



Gravel is being dumped on access road.

Gravel is spread on Access Road.

RFI or Out-of-Scope

03 Dec 2012:	ACM is on-site to pick-up small amount of asbestos identified on surface piping near RR fence in the MPA.
04 Dec 2012:	RECON loaded Sullivan Roll-off for future transport of special waste by WM/Sullivan. Roll-off was dropped/loaded and remained on-site.

RECON is placing asphaltic soils within roll-off box dropped by Sullivan.

Safety Items

03 Dec 2012:	None.
04 Dec 2012:	None.
05 Dec 2012:	None.

Schedule

03 Dec 2012:	Demobe - possible Electrical Power supply change over.
04 Dec 2012:	De-mobe.
05 Dec 2012:	Possible Electric Line Replacement is still pending, otherwise 100% complete on field work.

Equipment at the Site

03 Dec 2012:	See RECON Daily
04 Dec 2012:	See RECON Daily
05 Dec 2012:	ALL RECON equipment has left the site by end of the day - 100% De-Mobed from the Site.

Unusual Items/Changes

03 Dec 2012:	Site remains very dry, and forecast is for continued dryness through the rest of the week.
04 Dec 2012:	Site remains very dry, and forecast is for continued dryness. Flooding Stage III and draining Stage I (into Stage II to flood Stage III)
05 Dec 2012:	Site remains very dry, and forecast is for continued dryness. Wetlands are in drought / water conservation mode with Stages II and III flooded and Stage I drained to gravel to minimize evaporative loss and keep water in Stages II and III.

Other Notes

03 Dec 2012:	*No items noted*
04 Dec 2012:	*No items noted*
05 Dec 2012:	*No items noted*

APPENDIX H-2

RECON DAILY REPORTS

MWH

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/19/10
DAY OF WEEK: Monday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Roger Roberts	OPII				y	11.5
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Lanny Nelson	CM				y	11.5

TOTAL RECON HOURS: 66.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	Recon					5.0
Rick Meyers	Recon					5.0
Ronnie Miguez	El Paso					1.0
Electri Craft						1.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck ST160		11.5		
2000 gal water truck WTK010			Owned	
360 Excavator w/ thumb			Owned	
320 Excavator w/ thumb EXC025			Owned	
D6TP Dozer D2R025			Owned	
D6SP Dozer			Owned	
TA 30 Off Road Truck			Owned	
TA 30 Off Road Truck			Owned	
TA 30 Off Road Truck			Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump			Owned	
3" Water Pump			Owned	
360 Excavator w/ Hammer			Owned	
40' Job Shack	MobMini	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 am Site set up and HASP review. 8:00 Electri Craft hooked up generator but forgot ground rod and will have to come back. 12:00 lunch. 1:00 Rick and Tim arrived at site. 1:45 began marking monitoring wells. 2:30 360 excavator arrived. 3:00 removed tire from generator. 4:30 Oscar and Justino left site. Tim, Rick, Tracy, Roger, Lanny, and Jon left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/20/10
DAY OF WEEK: Tuesday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jerold Nordmeyer	MWH	11:50	12:05			
Bill Mc Cown	Power Lift	2:30	4:30			
Waylon Yoft	Power Lift	2:30	4:30			

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck ST160		10		
2000 gal water truck WTK010			Owned	
360 Excavator w/ thumb			Owned	
320 Excavator w/ thumb EXC025		10	Owned	
D6TP Dozer D2R025			Owned	
D6SP Dozer			Owned	
TA 30 Off Road Truck			Owned	
TA 30 Off Road Truck			Owned	
TA 30 Off Road Truck			Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump			Owned	
3" Water Pump			Owned	
360 Excavator w/ Hammer			Owned	
40' Job Shack	MobMini	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 safety meeting. 7:00 organize conex, separate t-posts found on site. Began clearing trees with EXC025. 8:00 Oscar and Justino began cutting stumps from trees and sorting brush. 9:00 Job kick off meeting with El Paso and MWH finished at 11:00. 12:00 lunch. Roger went to get his annual physical in Wichita. 12:30 continued clearing and cutting stumps. 2:30 Power Lift onsie to meet with Rick. 4:15 Roger arrived back from Wichita. 4:30 left site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

RECON and Power Lift (sub to perform pressure grouting) performed a site walk to locate all fire hydrants to be used as access points for the pressure grouting. RECON could not locate Hydrant 9 or Hydrant 2 as as identified on Drawing 4. It was also observed that Hydrant 8 and Hydrant 1A were previously damaged and may not be able to be utilized as access points. There are also large sections of fire protection line identified on Drawing 4 that do not have any access points (mainly in the west area of the MPA).

RECON also observed a substantial amount of asphalt (tar-like material) in the spill containment trench between the railroad tracks on-site. RECON requests further direction on how to handle this material.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/21/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
YP Equipment						1.0
Ronnie Miguez	El Paso					10.0
Joe	ISI Env					2.0
Rick Meyers	RECON					8.0
Tim Meade	RECON					8.0
ASPLUNDH						10.0

TOTAL HOURS: 39.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10		
2000 gal water truck	WTK010		Owned	
360 Excavator w/ thumb			Owned	
320 Excavator w/ thumb	EXC025	10	Owned	
D6TP Dozer	D2R025		Owned	
D6SP Dozer			Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	5	Owned	
TA 30 Off Road Truck			Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump			Owned	
3" Water Pump			Owned	
360 Excavator w/ Hammer			Owned	
40' Job Shack	MobMini	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. Continued clearing with EXC025. Oscar and Justino on the ground with chain saw cutting stumps and separating. 7:45 install construction fence to help direct people and visitors to the job shack. Tim and Rick arrived. Chipper arrived from RQuip in Wichita. 7:15 Asplundh onsite to mow for El Paso. 10:00 Start chipping wood and chipper clogged up from a little limb and threw the belt. Called them to come and get it. 12:00 Mechanic arrived from Victor Phillips. Took starter off of the excavator to take with him to check it before he added new solenoids. Should be back tomorrow with parts to get it running and then fix A/C. 1:00 Started removing tailgate gate from one of the trucks and could not get any of the chains removed because of the severe rust. Picked up sawzall and cut the bolts off. 2:00 Started moving loose concrete to the crusher area. 2:45 Joe with ISI Environmental arrived to do a walk of the buildings so he could prepare a quote for and assessment of asbestos, PCB's, lead, and mercury. 4:00 left site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased office supplies $63.73. Purchased Sawzall, blades, and bolt for pin on EXC025 $82.93. Purchased ice $11.10.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/22/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	HOURS
Ronnie Miguez	El Paso					10.0
Jerold Nordmeyer	MWH					5.0

TOTAL HOURS: 15.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10		
2000 gal water truck	WTK010		Owned	
360 Excavator w/ thumb			Owned	
320 Excavator w/ thumb	EXC025	10	Owned	
D6TP Dozer	D2R025		Owned	
D6SP Dozer			Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck		1.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump			Owned	
3" Water Pump		7	Owned	
360 Excavator w/ Hammer			Owned	
40' Job Shack	MobMini	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 safety meeting. 6:30 removed pipe fence at entrance to make room for equipment to be staged. 6:45 remove tailgate from off road truck. 7:30 Began removing concrete and setup 3" water pump at the blowdown pond and began pumping water. Talked with Ronnie about the mud in the bottom of the blowdown pit and he said that it would be ok to leave it in there and make holes in the bottom with the hammer hoe so it would not hold any water and backfill it with misc debris. 10:00 Southwinds Oil delivered grease, oil, and fuel. 10:45 Waste Solutions cleaned toilets. 11:00 started verifying and marking process and storm sewers. 1:30 completed verifying process and storm sewers. 2:00 EXC025 lost bolt in stick cylinder that holds the pin in and the pin fell out. Got bolt and fixed it. 2:42 Started hauling smaller debris piles to area by blowdown pond. 3:30 finished pumping blowdown pond. 4:00 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

During concrete removal the excavator uncovered red colored concrete which usually indicates burried electrical lines, showed it to Ronnie and he said that it was supposed to be dead. I told him we would find someone to verify this for us.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwinds delivered fuel, oil, and grease $1,047.00. Purchased ice and oil $14.85. Purchased gas for water pump $12.42. Purchased fuel for my truck $94.34. Purchased water $37.43. Purchased bolts for EXC025 15.34.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/23/10
DAY OF WEEK: Friday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Hallman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Lenny Nelson	CM				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Jerold Nordmeyer	MWH					5.0
Joel	Electri Craft					2.0
Cornelio						2.0

TOTAL HOURS: 19.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST150	10		
2000 gal water truck	WTK010		Owned	
350 Excavator w/ thumb	EXC044		Owned	
200 Excavator w/ thumb	EXC025	10	Owned	
D6IP Dozer	DZR028		Owned	
D6SP Dozer			Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck			Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump			Owned	
3" Water Pump		8	Owned	
350 Excavator w/ Hammer			Owned	
40' Job Shack	MobMin	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Grease and fuel EXC025and put up thumb and tighten bolts on bucket pins. Set up pump in area near PS-MH-1 to dewater area. Begun abandoning storm sewers. N-I-1, N-I-2, N-O-1, MP-DR-4, MP-DR-5, MP-MH-7, MP-MH-6, SP-I-1, MP-MH-4, MP-MH-3, MP-DR-3, MP-DR-2 and, MP-DR-7. When we opened MP-MH-2 it had backed up water from the Marley Pond so we will have to abandone this on when we pump down the pond. VCP-I-2 and VCP-I-1 have asphalt and oil in them and we will need to vaccum them out. Talked with Ronnie about getting water from the polishing pond for the water truck. We need to run a line across the road. He said to talk to Jerold about it. I talked to Jerold and he said that he didn't see a problem with it and that we might have to move it for the moving crew every few weeks. 10:30 Pumped scale out. 10:47 Talked with Ronnie about removing the whole box on the process sewers and just grounding the ends of the pipes that go from the box. He said that he didn't see a problem with that. Also asked him if it would be possible to use flowable fill and not the specified material to fill the pipes. He wanted an email to send up the chain on this matter - Rick M. talked with MWH and determined grout is best option. 11:15 Cornejo onsite to look at the building again and look at items they may be interested in saving. 1:00 ElectriCraft onsite to install ground rod on generator and check buried rod concrete to set if it was still hot and he determined that it wasn't. Lanny and Oscar built a J-Stand to fill the water truck. 4:00 left site for the weekend.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

It was observed that oil and asphalt are in VCP-I-2 and VCP-I-1. RECON requests further direction on how to handle this material.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/26/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 84

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Hallman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST150	10		
2000 gal water truck	WTK010		Owned	
350 Excavator w/ thumb	EXC044		Owned	
200 Excavator w/ thumb	EXC025	6	Owned	
D6IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	6	Owned	
TA 30 Off Road Truck	DPT066	6	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump			Owned	
3" Water Pump			Owned	
350 Excavator w/ Hammer	EXC075	1	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014			
Welder/Greaser	WLD013			

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Began installing hammer on EXC075 and let thumb down on EXC025. 10:00 Finished installing hammer and removed remaining pipe fences in staging area. 10:30 Begun hauling misc. concrete to the crushing area. 2:30 Used hammer for a few minutes until Ben Boes arrived with the welder and the ATV. 3:30 Met with Stuart Klaus w/ MWH to do the after rain inspection for the SWPP. He also wanted to take a look at the storm sewer that had the asphalt and oil in them. We will need to use a vac truck to get the water and oil out and put in the process sewer (no asphalt). We will get an email about this matter. He also recomended not filling SS-M-I-3 to SS-M-O-2 until we get the channel and basin in because there will be some water that ponds there if the channel is not in and we will have to pump it out. He was going to do some thinking about that and get back with us and maybe we would not fill at all. 15 loads of concrete. 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased fuel for equipment and fuel for my truck. Received ATV014 and WLD013 from Houston. Southwind Oil delivered 30 gals of hydraulic oil.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/27/10
DAY OF WEEK: Tuesday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Hallman	SSO				y	11.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0

TOTAL RECON HOURS: 62.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Power Lift X 2						3.0
Joe	VLP					4.5
Cornelio X 4						2.0

TOTAL HOURS: 19.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	10	Owned	
2000 gal water truck	WTK010		Owned	
350 Excavator w/ thumb	EXC044		Owned	
200 Excavator w/ thumb	EXC025	10	Owned	
D6IP Dozer	DZR028	2	Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	2	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety Meeting. 6:30 Begin moving misc. concrete piles to the crushing area and scrap to the scrap area. Use DZR028 to smooth roads and work on some wet areas. 11:00 Cornejo onsite for meeting w/ Tracy on safety requirements. 11:40 VLP onsite to work on EXC044. 11:40 Roger was loading a debris pile and found a blue pipe insulation. Got with Ronnie on it and he checked it out and it was Calcium Silicate. Visited with the mechanic on EXC044 and the starter that he pulled off was fairly new. He said that there is a solenoid that goes out and when it does it burns up the starter. This solenoid had not been replaced. 1:30 Power Lift was out to open fire hydrants and make sure they work. 3:45 VLP Reloaded the excavator and said that we need to wash the radiator out for the A/C to work properly. 17 loads of concrete and 4 loads of steel. 4:00 recieved call from Power Lift that they needed to look at something else onsite and if someone would be available in about 30 min. While letting them in the gate at the railroad tracks the key stuck in the lock. We had to cut the next chain and put another lock in it.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32. Purchased fuel for the equipment $266.13.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 7/28/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 87

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Hallman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
ACM						9.0

TOTAL HOURS: 19.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST150	10	Owned	
2000 gal water truck	WTK010	1	Owned	
350 Excavator w/ thumb	EXC044		Owned	
200 Excavator w/ thumb	EXC025	10	Owned	
D6IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430	1	Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting and SWPP review. 6:45 Begin loading concrete and scrap and hauling to staging area. 7:00 ACM on site to do asbestos survey. Talked with Ronnie about pipe insulation that was found onsite and showed him the asbestos marking tape that Justino and Nicolas found so he got with El Paso to get approval to sample these items too. Got approval to sample it. Hooked up 4" water pump and tried to start it and it would not start. Determined that it was the starter. Could not find one in town so I got with Joe Pate and he is going to help me with it tomorrow. 9:30 Nicolas went to take physical in Wichita. 1:00 Fuel tank arrived from Southwinds Oil and we unloaded it. They will bring fuel and pump tomorrow. 1:30 Hauled pipe fence from office to the staging area. 2:00 hooked up 3" water pump to fill water truck. Nicolas arrived back from Wichita. 3:00 Washed out radiator on EXC044. 13 Loads of concrete, 1 load of scrap, 1 load of trashy dirt. 4:00 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

ACM sampling various areas for possible asbestos. 5 extra samples.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/26/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	CFM				y	10.0
Oscar Gonzalez	LM				y	10.0
Justino Gonzalez	LM				y	10.0
Nicolas Gonzalez	LM				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joel Troyer	Electricraft					3.0
2B						7.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	5	Owned	
360 Excavator w/ thumb	EXC044	1	Owned	
200 Excavator w/ thumb	EXC025	8	Owned	
D61P Dozer	DZR025		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	5	Owned	
360 Excavator w/ Hammer	EXC015		Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Begin hauling concrete to stage area using EXC044. EXC044 has noise coming for the a/c compressor. The thumb has no grip. Called VLP to come out and look at it. 8:15 Joel with Electricraft came out to use a line locator to check the red concrete again for power and there is none. He took down the power line that went over the entrance drive way. 10:00 ISI out to do lead, PCB, and mercury survey. 11:15 Roger was removing some concrete on the west side of the Rail Road spur and came across some bare lines coming from a conduit in the ground. Did stop work and moved from the area and called the electrician to come out and verify it being dead. 12:30 Stuart Klaus out to take Ronnie's place while he is gone. Southwinds Oil delivered $2,513.44 in fuel and installed the pump on the tank. 12:45 VLP arrived to work on EXC044 and found a pulley bearing gone out and adjusted the pressure on the thumb ordered an A/C filter and is going to clean out the condensor coil on the A/C when he returns. 3:42 called and talked with Tim Cain about the grout for the process sewers. 4:00 Left site. 16 loads of concrete, 3 loads of trashy dirt, and 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/28/10
DAY OF WEEK: Friday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	CFM				y	10.0
Oscar Gonzalez	LM				y	10.0
Justino Gonzalez	LM				y	10.0
Nicolas Gonzalez	LM				y	10.0
Joe Wolfe	CFM				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					10.0
2B						9.0
Joe	VLP					3.0

TOTAL HOURS: 72.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	5	Owned	
360 Excavator w/ thumb	EXC044	3	Owned	
200 Excavator w/ thumb	EXC025	7	Owned	
D61P Dozer	DZR025		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	6	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	5	Owned	
360 Excavator w/ Hammer	EXC015	8	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Joe Wolfe Arrived onsite. 6:00 Safety meeting. 6:30 continue moving piles of debris and tank rings from the north side of property. Laborers picking up scrap iron and carring to the staging area. 7:00 ISI arrived onsite to continue lead, pcb, and mercury survey. 8:00 EXC075 Joe began hammering concrete in staging area for crusher. Watering roads when they get dusty. 9:00 Power Lift had 2 loads of soil delivered. 12:15 VLP onsite to put pulley on EXC044 and get A/C working. 12:30 an o-ring on a stick line on EXC025 went out and the mechanic from VLP was onsite and he had one so we fixed it. 2:30 Oscar put up signs and grounded fuel tank and set up fire extiguisher at fuel tank. 3:00 Rick Dempsey with Westar Energy onsite to look at disconecting power for the electrician to do his work. He is going to get back with us on the matter. Discussed posibility of turning the power to the site off for a day or two with Stuart so we can remove the concrete under the power lines and disconect the lines that are coming down. He is going to get with the powers to be. 4 loads of concrete and 4 loads of debris. 4:00 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

When using EXC044 after mechanic left the A/C quit blowing cold and the thumb will go down but not up so I called them and they will be out Tuesday to look at it again.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10. Purchased bolt for EXC044. Purchased excavator keys $7.15. Purchased lock and ground clamp for fuel tank $34.18. Purchased fuel for my truck $69.00.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/26/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	CFM				y	10.0
Oscar Gonzalez	LM				y	10.0
Justino Gonzalez	LM				y	10.0
Nicolas Gonzalez	LM				y	10.0
Joe Wolfe	CFM				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
4 people	Power Lift					10.0

TOTAL HOURS: 20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	5	Owned	
360 Excavator w/ thumb	EXC044	5	Owned	
200 Excavator w/ thumb	EXC025	10	Owned	
D61P Dozer	DZR025		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
3" Water Pump	3430	8	Owned	
360 Excavator w/ Hammer	EXC015	5	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. Power Lift onsite to grout fire lines. 6:40 Continue excavating and removing tank ring on the north end of site. Continue hamering concrete in staging area. Water roads and picking up scrap metal. Power Lift HASP training and site orientation. 9:30 weekly meeting. 10:00 Begin working on process sewers. Pumping water from them into the oil water separator. 11:00 Starter arrived for PPD037. Pump and J-stand work good. 2:15 Talked with Ronnie about the sludge from the process sewers that we were finding and we need to get a covered roll off box to put it in. 3:20 Talked with Mark at Hogoboom and he can't have a vac truck untill Monday 8-9-10. We will use the water truck to break up the sediment and the vac truck will suck it out. 3:45 Flat on ATV removed to go and repair it. 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Tire repair $15.00. Bolts for excavator pins $42.62. Ice $11.10.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/27/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	CFM				y	10.0
Oscar Gonzalez	LM				y	10.0
Justino Gonzalez	LM				y	10.0
Nicolas Gonzalez	LM				y	10.0
Joe Wolfe	CFM				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
5 people	Power Lift					10.0
James	ACM					1.0

TOTAL HOURS: 21.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	10	Owned	
360 Excavator w/ thumb	EXC044	5	Owned	
200 Excavator w/ thumb	EXC025	10	Owned	
D61P Dozer	DZR025	1	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
3" Water Pump	3430	8	Owned	
360 Excavator w/ Hammer	EXC015	5	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety Meeting. 6:30 Contine working on process sewers and breaking concrete. Watering roads, supply water to Power Lift. Power Lift continued to grout fire lines. 11:00 Stockpile impacted soil from process sewers on plastic until we determine how much we will have and what we will do with it. 12:00 Discovered more asbestos between tracks at RR spur and will have ACM sample when they come back out per Ronnie. Finished hammering concrete in stockpile and have separated out concrete with rebar in it to cut with torch. Began removing another tank ring on the north end. 3 loads of impacted soil staged on plastic. 4:00 crew left site. 5:00 ACM onsite to sample more asbestos piles.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased grease fitting for hand greaser $3.75. Purchased gift card $53.00. Purchased gas $7.24. Purchased duck tape and air hose $24.18. Purchased ice $11.10. Purchased grease gun end for air greaser $6.87. Purchased danger tape $32.90.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/28/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LXI				y	10.0
Justino Gonzalez	LXI				y	10.0
Nicolas Gonzalez	LXI				y	10.0
Joe Wolfe	OPII				y	10.0

TOTAL RECON HOURS 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
5 people	Power Lift					10.0
Joe Richardson	VLP					2.0

TOTAL HOURS 22.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST180	10	Owned	
2000 gal water truck	WTK010	10	Owned	
345 Excavator w/ thumb	EXC044	9	Owned	
320 Excavator w/ thumb	EXC025	7	Owned	
D61P Dozer	DZR028	3	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	2	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	10	Owned	
2" Water Pump	3430	8	Owned	
345 Excavator w/ Hammer	EXC075	1	Owned	
40' Job Shack	MobMav	8	Rental	
Gator	ATV014	10	Owned	
Welder/Compressor	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Continued excavating tank rings on the north end. During the morning equipment inspection on EXC025 Roger noticed the bolts broke off on the plate that holds the main bucket pin in. Had to get some bigger bolts and a tap and tap the holes out. 7:00 USA onsite to show us where to move the metal pieces to. Used the off road truck and loaded them up and hauled them across the road. It took about 10 minutes. They also had a roll off truck move the box to the other side too. Marked piles of asbestos not yet marked with red tape. Watering the roads and hauling water to Power Lift. Power Lift grouting the fire lines. Backfilled tank ring that was excavated on Monday with dozer while waiting on EXC0025. 10:15 EXC025 ready and back to preparelng process sewers and pumping water from them to the oil water separator. Picking up various scrap metal from the site. VLP onsite to work on EXC044. The A/C and thumb problems again. Thumb switch bad and the condenser coil has debris inside of it. 11:00 Picked up oxygen and propane. Contacted Berry Tractor to come out and take off angle cylinders and get repacked. Also going to have them look at the A/C it could need some freon. 2:00 Filled out NOC for demo. 3:30 carried NOC to Fedex. 4:00 left site. 2 loads of debris from process sewers.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Power Lift Pumped 7.5 cyds of grout.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/29/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LXI				y	10.0
Justino Gonzalez	LXI				y	10.0
Nicolas Gonzalez	LXI				y	10.0
Joe Wolfe	OPII				y	10.0

TOTAL RECON HOURS 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
5 people	Power Lift					10.0
Cornejo and Son's						2.0

TOTAL HOURS 22.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST180	10	Owned	
2000 gal water truck	WTK010	10	Owned	
345 Excavator w/ thumb	EXC044	9	Owned	
320 Excavator w/ thumb	EXC025	9	Owned	
D61P Dozer	DZR028	1	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	10	Owned	
2" Water Pump	3430	8	Owned	
345 Excavator w/ Hammer	EXC075	1	Owned	
40' Job Shack	MobMav	8	Rental	
Gator	ATV014	10	Owned	
Welder/Compressor	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 safety meeting. Lightning shut down until 6:30. 6:30 Removing tank rings on the south end. Loud roll off with scrap metal. Pump remaining water from blow down pit. Break walls off and begin backfill. Tracy went to check north end where Joe was excavating tank rings for the air quality. The meter picked up VOC readings. Stop work in this area until we can use closed cab machine. 9:15 Called Kansas Gas locator out to find gas line on the north end of the site and he came and marked it as good as he could in the tall grass. Had the dozer come over and back drag the grass down and he will remark tomorrow. 9:25 Called Salina Scale to get them to come out and look at the scale adn see what it would take to get it running. He said that he would be out about 9:30 or 10:00 tomorrow. 2:34 Talked with Micheal Alexander at Wichita Fence and he said that he has ordered the materials and we are going to set something up for the week we come back from rotation. 2:30 All Metal picked up roll off box of scrap. 2:45 Talked with Liz from All Metal and gave her the address to send checks for scrap to. 3:20 Spoke with Ronnie about pulling water and sludge from the UST and the process sewer in the ponds and he said that it would be fine and showed me where to put it but wanted me to come up with an estimated quantity of material. Also discussed the measurement of the grout with Ronnie and Richard is figuring 2.5 cyds per flatbed load and keeping up with the loads and Ronnie approved this. 4:00 Leave site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10. 15 cyds of grout for Power Lift. All Metal dropped off empty box and picked up loaded scrap box.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 7/30/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 98

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LXI				y	11.0
Justino Gonzalez	LXI				y	11.0
Nicolas Gonzalez	LXI				y	11.0
Joe Wolfe	OPII				y	11.0

TOTAL RECON HOURS 77.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
5 people	Power Lift					7.0
Salina Scale						1.0
Mitch Todd	RECON					3.0

TOTAL HOURS 22.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	11	Owned	
2000 gal water truck	WTK010	11	Owned	
345 Excavator w/ thumb	EXC044	9	Owned	
320 Excavator w/ thumb	EXC025	11	Owned	
D61P Dozer	DZR028		Owned	Down
D65P Dozer	DZR049	3	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT066	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	11	Owned	
2" Water Pump	3430	2	Owned	
345 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMav	8	Rental	
Gator	ATV014	8	Owned	
Welder/Compressor	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety Meeting. 6:30 Continued working on the blow down pond removing sediment and breaking down concrete walls 2' below the surface. Uncovered spots in fire protection line to get ready for Power Lift to tap and grout on Monday. Power Lift grouting fire lines. 10:00 Salina Scales out to look at what it will take to get scale up and running. Going to get back with me on it. 11:00 Berry Tractor onsite to work on DZR028. Both the cylinders that angle the blade need to be replaced. Ordered them through Brain Elliott. 1:40 Utility locator onsite to relocate gas line on north end of site. 2:00 Mitch arrived with new CAT excavator. When we loaded EXC044 it was too high to travel down the road with. We had to remove the thumb to get it a little lower. 4:45 Still need about 5 more loads of fill to finish backfilling blow down pond. Hauled 26 loads of fill from a berm to blow down pond. 13 loads of wet sediment to open area north of blow down pond to let it dry. 1 load of concrete. 5:00 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 8/9/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 101

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LXI				y	10.0
Justino Gonzalez	LXI				y	10.0
Nicolas Gonzalez	LXI				y	10.0
Joe Wolfe	OPII				y	7.0

TOTAL RECON HOURS 67.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Shaun	Hogoboom					9.0
5 people	Power Lift					4.5
Charlie Cotton	Mustang Cat					2.0

TOTAL HOURS 25.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST180	10	Owned	
2000 gal water truck	WTK010	10	Owned	
320 Excavator w/ thumb	EXC025	4	Owned	
320 Excavator w/ thumb	EXC025	7	Owned	
D61P Dozer	DZR028		Owned	Down
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	7	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
2" Water Pump	3430	2	Owned	
345 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMav	8	Rental	
Gator	ATV014	10	Owned	
Welder/Compressor	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety Meeting. 6:30 Finished holes for Power Lift. 7:00 Hogoboom onsite to vac out process sewers and UST. Searched for the other fire line but found none. 9:30 Weekly meeting. 10:00 Started hauling concrete from south end to the stock pile. 10:30 Power Lift tried to drill into the fire line but the bit was not cutting the line. They had to go and find a drill bit and left the site for the day. 11:00 Excavate and remove UST and backfilled excavation. 12:00-12:30 Hogoboom on lunch. 2:00 Mustang Cat onsite to demonstrate new excavator. 3:45 Finished with Hogoboom and have all process sewers ready for grout. 4:00 Left site with the gates open because the lawn care people were still inside. 10 loads of concrete, 1 load of dirt, and 2 1/4 loads of water and sediment.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

3 locations excavated for fire line to tap line per Ronnie.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Hogoboom onsite for 9hrs.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/9/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
5 people	Power Lift					5.0
5 people	ACM					8.0
Kurtis Taylor	CMC					1.5

TOTAL HOURS: 22.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST150	10	Owned	
3000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC081	1	Owned	
320 Excavator w/ thumb	EXC025	10	Owned	
D6 IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049	9	Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD027	8	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Compressor	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Continued backfilling blowdown pond. Knock down grass on the north end of the property for the surveyors. Power Lift still waiting for drill bit. 8:00 Continued hauling concrete from the southend. 9:50 CMC onsite with grout for process sewers. AMC onsite to abate asbestos. They stated that they will not be able to be here at 6:00 and will be here at 7:00. 10:15 Finish grout in process sewers. Power Lift back with drill bit to tap fire lines. 10:45 Had to remove a cabinet for the asbestos company. 12:00 Wash the radiator out on DZR049. 2:00 Southwind Oil delivered 1,025 gallons of fuel $2,675.74. 2:30 Removal of tailgate from OPT065. Power Lift is going to have to weld a nipple on the pipe and pump grout that way. 4:00 Left site. 17 loads of concrete and 9 loads of dirt.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Power Lift not able to drill pipe and have to weld a nipple on and cut a hole in to inject the grout.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $2,675.74. Purchased ice $11.10.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4581

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/11/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.5
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				y	10.0

TOTAL RECON HOURS: 70.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
5 people	Power Lift					10.0
4 people	ACM					10.0
2 people	CB Surveyor					9.5

TOTAL HOURS: 39.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST150	10	Owned	
3000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC081	9	Owned	
320 Excavator w/ thumb	EXC025	5	Owned	
D6 IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049	1	Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065	8	Owned	
TA 30 Off Road Truck	OPT066	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD027	8	Owned	
2" Water Pump	3430	1	Owned	
350 Excavator w/ Hammer	EXC075	5	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Compressor	WLD013	4	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Loading piles on the north end and hauling to the stockpile. Loaded scrap box and the scrap company came and picked it up. Spread out asbestos piles for ACM. ACM continued abatering asbestos. Power Lift doing hot taps on the lines. Surveyor onsite to layout ruff grade stakes on the north end. 8:45 Removed tank ring ont he north end. 10:30 Power Lift finished hot tap and started pumping grout. 1:30 Started cutting rebar and hammering concrete. 3:30 Surveyors left site. Batteries give out from the heat. Will return on Tuesday. 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10. Purchased gift card for Oscar Gonzalez $50.00.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4581

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/12/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.5
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				y	10.0

TOTAL RECON HOURS: 70.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
5 people	Power Lift					
4 people	ACM					10.0
Chris Wolff	El Paso					8.0
Johnny O	Cornejo					0.5

TOTAL HOURS: 28.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST150	4.5	Owned	
3000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
320 Excavator w/ thumb	EXC025	8	Owned	
D6 IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT066	2	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD027	8	Owned	
2" Water Pump	3430	1	Owned	
350 Excavator w/ Hammer	EXC075	5	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Compressor	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Continued cutting rebar, backfilling process sewers and fire line tap excavations, spread piles around for ASM to get the rest of the asbestos out, removed UN-BX-N and UN-BX-S. Breaking concrete at the stockpile. Power Lift finished grouting fire lines. ACM removing asbestos from extra piles and continued abatement of buildings. Watering roads and filling Power Lift. Hauled 5 loads of soil to backfill process sewers. 10:30 Tracy left for the airport. 11:30 Cornejo and Sons onsite to check for NORM in scrap pile and found none. 2:00 Getting all holes backfilled for the long weekend. 3:00 Power Lift left site, will return when we call them. 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4581

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/13/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Rain 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Tracy Holman	SSO				y	8.0
Roger Roberts	OPII				y	3.0
Oscar Gonzalez	LR				y	1.0
Justino Gonzalez	LR				y	1.0
Nicolas Gonzalez	LR				y	1.0
Joe Wolfe	OPII				n	
Larry Parker	OPII				y	1.0

TOTAL RECON HOURS: 23.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					3.0
3 people	ACM					1.5

TOTAL HOURS: 4.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
Site Truck	ST150	8	Owned	
3000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081		Owned	
320 Excavator w/ thumb	EXC025		Owned	
D6 IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004		Owned	
Generator	GEN009		Owned	
4" Water Pump	PPD027		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMin		Rental	
Gator	ATV014		Owned	
Welder/Compressor	WLD013		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

ACM finished asbestos abatement. Roger tightened side cutter bolts on EXC081, received water pump, and unloaded parts for DZR028.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10. Purchased office supplies $68.76.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4581

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/18/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 88

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.5
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				n	
Larry Fisher	OPII				y	10.0

TOTAL RECON HOURS: 70.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Rick Meyers	RECON					10.0
2 people	ISI					10.0
Jerold Nordmeyer	MWH					5.0
Joel Troyer	Electroaff					4.0
2 people	CB					2.0

TOTAL HOURS: 41.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC061	10	Owned	
330 Excavator w/ thumb	EXC025	9	Owned	
D6IP Dozer	DZR028		Owned	
D6IP Dozer	DZR049	1	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	9	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
6" Water Pump	PPD037		Owned	
3" Water Pump	3430	2	Owned	
350 Excavator w/ Hammer	EXC075	1	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Continued removing, hauling, and breaking concrete. Pumped water from various locations. Hooked up 6" pump. ISI onsite to remove PCB's and mercury. 1:00 Start removing concrete under powerline and cutting rebar. 4:00 Left site. 41 loads of concrete and 2 loads of dirt.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $4.16. Purchased battery for ST160 $77.02.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/19/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				n	
Larry Fisher	OPII				y	10.5

TOTAL RECON HOURS: 72.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
2 people	CB					4.5
Brian Kellmann	El Paso					4.0
Doug Mikk	MWH					4.0
Stuart Klaus	MWH					4.0
Jerold Nordmeyer	MWH					3.0

TOTAL HOURS: 25.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC061	10	Owned	
330 Excavator w/ thumb	EXC025	4	Owned	
D6IP Dozer	DZR028		Owned	
D6IP Dozer	DZR049	1	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
6" Water Pump	PPD037		Owned	
3" Water Pump	3430	1	Owned	
350 Excavator w/ Hammer	EXC075	10	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Continued breaking concrete under powerlines and cutting rebar. Stockpiled more concrete. 7:00 drill. We had 7 min response time including subs. Brian Kellman onsite to see the progress of the job. 4:00 Left site. 17 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwinds delivered fuel and grease $1,714.94. Purchased ice $6.94. Purchased grease guns $110.82.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/20/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				n	
Larry Fisher	OPII				y	10.0

TOTAL RECON HOURS: 72.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Ryan Tiede	Tiede's					1.0
Chris	Tiede's					1.0
Mitchell	Tiede's					1.0
2 people	Cornejo					1.0
Steve Richard	Berry Tractor					9.0

TOTAL HOURS: 23.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC061	10	Owned	
330 Excavator w/ thumb	EXC025	10	Owned	
D6IP Dozer	DZR028	2	Owned	
D6IP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
6" Water Pump	PPD037	8	Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	Down
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013		Owned	
4" Water Pump	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety Meeting. 6:30 Continued removing concrete under powerlines and cutting rebar. During the inspection of the hammer we discovered some broke bolts inside and it is down now. 8:45 Roger was removing some concrete that was about 5' off the power pole and it moved a big piece next to the pole which let the power pole lean over a little. He performed a stop work and he got with me on the issue. I got Ronnie to look at it and we decided to call the electrician to have him look at it. Electricraft sent Tiede's out to look at it and to give an estimate. While we were looking at it we noticed another pole that was bending real bad also. We will have them look at it too. Moved away from the area until we can get it safe to work around again. 1:00 Tiede's arrived to give estimate for fixing power lines. They said that the poles really needed to be replaced. We had them look at replacement of the poles and then using onsite pole to temporary fix it. 2:20 Cornejo onsite to look at train tracks and concrete pile. While onsite we looked at the building on the east side of the substation and they have a concern about a cable tray that is still connected to the substation. I told him that I would get with Westar to schedule a shut down of the substation and then remove the tray. 4:00 left site. 26 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Hammer broke down and power poles.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/21/10
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Joe Wolfe	OPII				y	
Larry Fisher	OPII				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC061	10	Owned	
330 Excavator w/ thumb	EXC025	10	Owned	
D6IP Dozer	DZR028	8	Owned	
D6IP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	2	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
6" Water Pump	PPD037	10	Owned	
3" Water Pump	3430	5	Owned	
350 Excavator w/ Hammer	EXC075		Owned	Down
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	
4" Water Pump	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting 6:30 Working on concrete stockpile with both excavators getting the processed concrete up in a pile and putting the pieces that need to be hammered in a separate pile and cutting rebar. Replaced battery on DPT066. Worked on WLD013. Worked on the park brake on ATV014. Pumped water from APL 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32. Purchased water $44.91. Purchased battery for DPT066 $59.15. Joe Wolfe flew back in.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/23/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Joe Wolfe	OPII				n	10.0
Larry Fisher	OPII				y	10.0
Lucas Brown	LI				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Manuel	Cornejo					6.0
Victor	Cornejo					6.0
Scott	Cornejo					1.0
Mark	Cornejo					1.0

TOTAL RECON HOURS 92.0 | TOTAL HOURS 24.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	10	Owned	
2000 gal water truck	WTK010	10	Owned	
245 Excavator w/ thumb	EXC081	10	Owned	
235 Excavator w/ thumb	EXC025	8	Owned	
D6 IP Dozer	DZR028	10	Owned	
D6SP Dozer	DZR049	5	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
2" Water Pump	3430	8	Owned	
350 Excavator w/ Hammer	EXC075		Owned	Down
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013		Owned	
8" Water Pump	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:00 Safety meeting. 6:30 Placed soil in some low areas that hold water. Cutting rebar. Pump out drainage ditch by scale house and backfilled. Removed pipes under powerlines. Mechanic out to work on EXC075 hammer. Needed to go to the shop to be repaired. 10:00 Cornejo arrived to start building demo. Tracy gave HASP training. Loaded hammer on a truck to ship to VLP. 3:00 Placed soil next to the power pole and going to proceed with work. Grading areas onsite and under power lines. 4:00 Left site. 25 loads of soil, 2 loads of scrap, and 5 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $11.10.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/24/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Rain 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	3.0
Tracy Holman	SSO				y	1.0
Roger Roberts	OPII				y	3.0
Oscar Gonzalez	LII				y	
Justino Gonzalez	LII				y	
Nicolas Gonzalez	LII				y	
Joe Wolfe	OPII				y	
Larry Fisher	OPII				y	
Lucas Brown	LI				y	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS 7.0 | TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		3	Personal	
Site Truck	ST180	1	Owned	
2000 gal water truck	WTK010		Owned	
245 Excavator w/ thumb	EXC081		Owned	
235 Excavator w/ thumb	EXC025		Owned	
D6 IP Dozer	DZR028		Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004		Owned	
Generator	GEN009		Owned	
4" Water Pump	PPD037		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMini		Rental	
Gator	ATV014		Owned	
Welder/Greaser	WLD013		Owned	
8" Water Pump	Hertz		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Rain Out. Roger and I pumped out API. Stuart was out for SWPP and he found one place where water was running offsite and he made it run back onsite. Hertz delivered excavator w/hammer at 11:30.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1.3 inches of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Hertz delivered hammer.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/25/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 79

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Joe Wolfe	OPII				y	10.0
Larry Fisher	OPII				y	10.0
Lucas Brown	LI				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Manuel	Cornejo					10.0
Victor	Cornejo					10.0
Nicholas	Cornejo					10.0
Ignacio	Cornejo					0.5
Kenny Hollis	Cornejo					1.0
Brock	IS					3.5
Ryan	IS					3.5
Todd	CB					3.0
Brian	CB					3.0
Stuart	MWH					1.5
Dave	USM					2.0

TOTAL RECON HOURS 92.0 | TOTAL HOURS 58.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	10	Owned	
2000 gal water truck	WTK010		Owned	
245 Excavator w/ thumb	EXC081	10	Owned	
235 Excavator w/ thumb	EXC025	10	Owned	
D6 IP Dozer	DZR028	2	Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	9	Owned	
TA 30 Off Road Truck	DPT066	9	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
2" Water Pump	3430	2	Owned	
350 Excavator w/ Hammer	EXC075		Owned	Down
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
8" Water Pump	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 6:30 Begin Hammering concrete under powerlines. Loading concreteand hauling to stockpile. Cutting rebar. Cornejo demo buildings. Itl out to put light bulbs in boxes. CB onsite to lay out lead areas. 8:25 Site drill (Tornado) met at El Paso House. 9:30 Westar onsite to look at power options. Cable trays cut loose from the substation. 11:00 US Machinery out to work on Hertz hammer. 11:30 Stuart showed me some more powerlines that they want a estimate to remove. Will have Electricraft look at it. 4:00 leave site. 21 loads. 3 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/26/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Joe Wolfe	OPII				y	10.0
Larry Fisher	OPII				y	10.0
Lucas Brown	LI				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS 92.0 | TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	10	Owned	
2000 gal water truck	WTK010	10	Owned	
245 Excavator w/ thumb	EXC081	7	Owned	
235 Excavator w/ thumb	EXC025	8	Owned	
D6 IP Dozer	DZR028	2	Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT066	5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	10	Owned	
2" Water Pump	3430	2	Owned	
350 Excavator w/ Hammer	EXC075		Owned	down
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	
8" Water Pump	Hertz	8	Rental	
350 Excavator w/ Hammer	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. 7:00 Continued hammering concrete underlines. 8:00 Started breaking concrete in stockpile. Graded area under power line. Cutting rebar. Placed powerline signs under power line. Cornejo onsite to demo buildings. 10:45 US Machinery onsite to work on Hertz hammer. 11:30 Foley equipment onsite to replace O-ring on EXC081. 12:24 Electricraft onsite to turn power back on and look at additional work. 2:00 VLP onsite to put hammer back on EXC075. 3:10 Jerold w/ MWH onsite to get his pumps and things running on the other side of the tracks. 4:00 Left site. 3 loads of metal. 7 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/27/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 98

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	CPSI				y	11.0
Oscar Gonzalez	LSI				y	10.0
Justino Gonzalez	LSI				y	10.0
Nicolas Gonzalez	LSI				y	10.0
Joe Wells	OPI				y	10.0
Larry Fisher	CPSI				n	
Lucas Brewer	LI				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					3.0
Manuel	Cornejo					10.0
Victor	Cornejo					10.0
John Simmons	Hogoboom					5.5
Nicholas	Cornejo					7.0
Richard	Cornejo					8.0
Richard	VLP					2.0
Scott	Cornejo					1.0
Angelo	Cornejo					1.0
Stuart Klaus	MWH					1.0

TOTAL RECON HOURS: 82.0 | TOTAL HOURS: 44.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
320 Excavator w/ thumb	EXC025	5	Owned	
D61P Dozer	DZR028	5	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	3	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	5	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	6	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator w/ Hammer	Hertz		Rental	Down

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Moved fuel tank. Hogoboom onsite to vac out sump behind scale house and in process area. Loading, hauling, and breaking concrete and metal. VLP onsite to adjust flow on EXC075. It is working good now. Broke tool on the rental hammer from Hertz. 11:45 Hogoboom offsite. 4:30 Left site. 21 loads of concrete. 3 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Ice $5.55.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/28/10
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	CPSI				y	11.0
Oscar Gonzalez	LSI				y	7.5
Justino Gonzalez	LSI				y	7.5
Nicolas Gonzalez	LSI				y	10.0
Joe Wells	OPI				y	10.0
Larry Fisher	CPSI				n	
Lucas Brewer	LI				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					10.0

TOTAL RECON HOURS: 77.5 | TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	6	Owned	
336 Excavator w/ thumb	EXC081	7.5	Owned	
320 Excavator w/ thumb	EXC025	3	Owned	
D61P Dozer	DZR028	2	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	5	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	3	Owned	Down
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator w/ Hammer	Hertz		Rental	Down

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued loading, hauling, and breaking concrete. Cutting rebar. 2:00 EXC081 bucket broke. Called Robert Abney with Foley CAT to see what we needed to do. He said that it sounded like a defective bucket. He was going to make some calls and see what he could get going on it. He also recommended a smaller bucket for the concrete demo. He called back and they will be onsite Monday at 7:30am to start fixing it or take it off a carry to their shop for repairs. If they have to take it to their shop they will see about a replacement bucket while they are fixing the other one. He would be out to take pictures of it and send them to Mustang and then call them to talk about it. He will also recommend to them the use of a smaller bucket. 2:00 Sent Oscar and Justino home for the day. Worked in the concrete pile hammering and piling concrete for the rest of the day. 4:20 Scott Tolley the service manager from CAT came out to take pictures of the bucket and said that it was too much to do onsite and they were going to find us a bucket to swap it out with. 4:50 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice and gift card $58.35.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/30/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Tracy Holman	SSO				y	12.0
Roger Roberts	CPSI				y	13.0
Oscar Gonzalez	LSI				y	12.0
Justino Gonzalez	LSI				y	12.0
Nicolas Gonzalez	LSI				y	12.0
Joe Wells	OPI				n	12.0
Lucas Brewer	LI				y	12.0
Bo Farris	CPSI				y	12.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					11.5
Angelo	Cornejo					10.5
Geddy	Cornejo					10.5
Miguel	Cornejo					10.5
Adrian	Cornejo					10.5
Manuel	Cornejo					11.5
Nicholas	Cornejo					9.0
Victor	Cornejo					11.5
Shaun	Hogoboom					1.0

TOTAL RECON HOURS: 110.0 | TOTAL HOURS: 96.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	12	Owned	
2000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
320 Excavator w/ thumb	EXC025	6	Owned	
D61P Dozer	DZR028	6	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	11	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator w/ Hammer	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued breaking concrete in the stockpile. Cutting rebar. Foley CAT onsite to replace bucket on EXC081. T&D Tire onsite to repair tire on DPT056. Cornejo onsite to demo buildings and remove loading rack and pipe rack above the building to the east of the substation. 9:30 Weekly call in. 10:45 Hertz onsite to replace bit in hammer. 1:30 Discovered another tank that had oily water in it. Called Hogoboom out to vac out it and an oil water separator. 2:20 Hogoboom arrived onsite. The new bucket on EXC081 is hitting a bolt that holds the main pin in. It broke off. Called CAT out to repair. 4:30 Left site. 24 loads of concrete. 1 load of steel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32. Purchased fitting for hydraulic hose on EXC075 $49.30. Max's Breathe easy delivered liquid oxygen $129.06.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/31/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Tracy Holman	SSO				y	11.5
Roger Roberts	CPSI				y	12.0
Oscar Gonzalez	LSI				y	11.0
Justino Gonzalez	LSI				y	11.0
Nicolas Gonzalez	LSI				y	11.0
Joe Wells	OPI				y	11.0
Lucas Brewer	LI				y	11.0
Bo Farris	CPSI				y	11.0
Russel Hewett	OPS				y	4.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					11.0
John Boes	RECON					8.0
Wayne Johnson	RECON					8.0
Manuel	Cornejo					11.0
Victor	Cornejo					11.0
Miguel	Cornejo					11.0
Adrian	Cornejo					11.0
Angelo	Cornejo					11.0
Geddy	Cornejo					11.0
Richard	VLP					3.0
Kenny	Cornejo					1.0
John	Foley					1.0

TOTAL RECON HOURS: 105.5 | TOTAL HOURS: 98.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
Site Truck	ST160	11.5	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
320 Excavator w/ thumb	EXC025	10.5	Owned	
D61P Dozer	DZR028	3	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	3	Owned	
TA 30 Off Road Truck	DPT066	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	5	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	10.5	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator w/ Hammer	Hertz		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. 7:00 Continued breaking, loading, and hauling concrete. Cutting rebar. Watering roads. Cornejo demo buildings; shop and control buildings. Already demoed admin, shower house, little office, and warehouse. Cornejo finished prep on the electrical building for transport off site. Started removal of the rail. John Boes onsite with Wayne Johnson. Foley onsite to work on bucket. VLP onsite to check out hammer with John and Wayne. 9:00 Safety stand down. We had two safety glasses issues. A mechanic was grinding without using a faceshield. The RECON cutting crew had their JSAP filled out but had not went over it with everyone that was involved and they had not signed it yet. The same with the Cornejo crew that was prepping the electrical building. Stopped work and refocused. 5:00 Lightning shutdown. 5:30 called the rest of the day. Russel finished his mobe in.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32. Purchased fuel filter for DZR028 $9.06.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/3/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	12.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LII				y	4.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Joe Wolfe	OPII				y	12.0
Lucas Brewer	LI				y	12.0
Bo Farris	OPII				y	12.0
Russel Hebert	OPII				y	12.0

TOTAL RECON HOURS: 114.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					8.5
Ronnie Miguez	El Paso					8.5
Angelo	Cornejo					11.0
Geddy	Cornejo					11.0
Miguel	Cornejo					11.0
Adrian	Cornejo					11.0
John Boes	RECON					4.0
Manuel	Cornejo					11.0
Victor	Cornejo					11.0
Nicholas	Cornejo					11.0
Jose	Cornejo					11.0
Gary	Cornejo					11.0

TOTAL HOURS: 116.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	12	Owned	
2000 gal water truck	WTK010	6	Owned	
336 Excavator w/ thumb	EXC061	11	Owned	
320 Excavator w/ thumb	EXC025	12	Owned	
D6TP Dozer	DZR028	8	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	6	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	11	Owned	
40" Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	9	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued hammering concrete, loading and hauling to stockpile. Hammering some in the stockpile area. Cornejo loading buildings for disposal and demo rail spur. 10:30 Oscar left for rotation. 12:45 Cornejo truck onsite to haul off loading rack. 2:00 Southwind Oil delivered fuel and hydraulic oil. $2,597.58. 3:50 Excavator hit off road truck and damaged the door on the excavator. 6:30 Left site. 30 loads of concrete. 1 load of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased fuel and hydraulic oil $2,597.58. Purchased ice $8.32. Purchased fuel for the WTK010 $103.00.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/2/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	12.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Joe Wolfe	OPII				y	12.0
Lucas Brewer	LI				y	12.0
Bo Farris	OPII				y	12.0
Russel Hebert	OPII				y	12.0

TOTAL RECON HOURS: 127.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
Angelo	Cornejo					10.0
Geddy	Cornejo					10.0
Miguel	Cornejo					10.0
Adrian	Cornejo					10.0
Manuel	Cornejo					10.5
Victor	Cornejo					10.5
Nicholas	Cornejo					8.5
Johnny O	Cornejo					1.0
Kenny	Cornejo					1.0

TOTAL HOURS: 83.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	12	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC061	11	Owned	
320 Excavator w/ thumb	EXC025	11	Owned	
D6TP Dozer	DZR028	11	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	6	Owned	
TA 30 Off Road Truck	DPT066	11	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	11	Owned	
40" Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. 7:30 Continued hammering, loading, and hauling concrete to the stockpile. Cornejo loading building material for disposal and demo pump houses. Removing rail. 8:24 Wichita Fence called and said that they were on the way to put up fences and gates. 11:10 11 loads of concrete. 12:00 Wichita fence put in fence and gates at the entrance. Allmetal delivered empty rolloff and picked up loaded for the scrap yard. 3:30 Lightning shutdown. 4:30 back to work. 5:30 28 loads of concrete. 6:30 Left site. 43 loads.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/3/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	12.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LII				n	
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Joe Wolfe	OPII				y	12.0
Lucas Brewer	LI				y	12.0
Bo Farris	OPII				y	12.0
Russel Hebert	OPII				y	12.0
Zach Kilpatrick	LII					

TOTAL RECON HOURS: 110.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
Geddy	Cornejo					10.5
Adrian	Cornejo					10.5
Miguel	Cornejo					10.5
Angelo	Cornejo					10.5
Manuel	Cornejo					11.0
Victor	Cornejo					11.0
Nicholas	Cornejo					8.5

TOTAL HOURS: 84.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	12	Owned	
2000 gal water truck	WTK010	6	Owned	
336 Excavator w/ thumb	EXC061	12	Owned	
320 Excavator w/ thumb	EXC025	12	Owned	
D6TP Dozer	DZR028	8	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	2	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40" Job Shack	MobMin	8	Rental	
Gator	ATV014	2	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting with JSAP review. 7:30 Continued breaking concrete, loading and hauling to the stockpile. Removed fence by the office. Watered roads. Cornejo working on loading building debris and demoed scale house. Allmetal delivered rolloff for copper and picked up one scrap box. 6:30 Left site. 24 loads of concrete and 1 load of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased welding hood and rods from Max's $61.56. Purchased filters for GEN009 and air filter for DZR028 $110.91. Purchased bolt for EXC025 $10.81. Purchased job supplies $79.77.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 8/4/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LII				y	11.0
Justino Gonzalez	LII				y	11.0
Nicolas Gonzalez	LII				y	11.0
Zach Kilpatrick	LII				y	11.0
Lucas Brewer	LI				y	11.0
Bo Farris	OPII				y	11.0
Russel Hebert	OPII				y	11.0

TOTAL RECON HOURS: 109.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC061	10	Owned	
320 Excavator w/ thumb	EXC025	7	Owned	
D6TP Dozer	DZR028	3	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	4	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	10	Owned	
40" Job Shack	MobMin	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued breaking, loading, and hauling concrete. Cutting rebar. Sorting and breaking concrete in the stockpile. 4:30 Left site. 29 loads of concrete and 1 load of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased ice $8.32.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/8/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brewer	LI				y	12.0
Bo Farris	OPII				y	12.0
Russel Hebert	OPII				y	12.0

TOTAL RECON HOURS: 123.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Manuel	Cornejo					11.0
Victor	Cornejo					11.0
Miguel	Cornejo					11.0
Adrian	Cornejo					11.0
Ron	Cornejo					3.5
Shannon	Cornejo					3.5
Geddy	Cornejo					8.0
Angelo	Cornejo					8.0
Jim	Cornejo					2.0
Stuart	MWH					1.0

TOTAL HOURS: 79.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	6	Owned	
336 Excavator w/ thumb	EXC081	9	Owned	
320 Excavator w/ thumb	EXC025	8	Owned	
D6XP Dozer	DZR028	8	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430		Owned	
340 Excavator w/ Hammer	EXC078	12	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	12	Owned	
Welder/Greaser	WLD013	3	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued breaking, loading, and hauling concrete. EXC025 down for repairs. EXC081 down for repairs. Cornejo loading bricks and hauling to concrete staging area and demoing rr spur. DPT065 flat tire on right rear. 1:45 Used excavator to check the Marley pond to see how solid the ground was in it. It seemed a solid under the muck, it was just real wet. Removal of the fence on the west and south side of the Marley pond and on the west side of the laydown yard. 6:30 Left site. 12 Loads of concrete. 2 loads of steel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased grinder $32.23. Purchased grinding disk and wire brush $19.10. Purchased retainer pin for teeth on EXC081 $75.97.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/9/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Cloudy 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Tracy Holman	SSO				y	12.0
Roger Roberts	OPII				y	12.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Zach Kilpatrick	LII				y	10.0
Lucas Brewer	LI				y	10.0
Bo Farris	OPII				y	10.0
Russel Hebert	OPII				y	10.0
Kevin Wilson	LI					

TOTAL RECON HOURS: 106.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
Angelo	Cornejo					11.0
Geddy	Cornejo					11.0
Manuel	Cornejo					11.0
Victor	Cornejo					11.0
Adrian	Cornejo					11.0
Miguel	Cornejo					11.0

TOTAL HOURS: 78.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
Site Truck	ST160	12	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
320 Excavator w/ thumb	EXC025	12	Owned	
D6XP Dozer	DZR028		Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	9	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
340 Excavator w/ Hammer	EXC078	10	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued breaking, hauling, and loading concrete. Cornejo demo rr spur. Removing fence on west side of laydown yard. Removed pipe fence and 11 power poles. Left site at 6:30. 31 loads of concrete and 3 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

T and D moved tire off of DPT065 to DPT064.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/10/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 76

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPII				y	11.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Zach Kilpatrick	LII				y	10.0
Lucas Brewer	LI				y	10.0
Bo Farris	OPII				y	10.0
Russel Hebert	OPII				y	10.0
Kevin Wilson	LI					

TOTAL RECON HOURS: 101.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Manuel	Cornejo					11.0
Victor	Cornejo					11.0
Miguel	Cornejo					11.0
Adrian	Cornejo					11.0
Russ Eckert	Cornejo					2.0
Lester	Cornejo					11.0
Jim	Cornejo					11.0
Bob Nash	Cornejo					1.0
Chris	MWH					2.0
Doug	MWH					2.0

TOTAL HOURS: 84.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	11	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
320 Excavator w/ thumb	EXC025	8	Owned	
D6XP Dozer	DZR028	8	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
340 Excavator w/ Hammer	EXC078	10	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. 7:00 Continued breaking, loading, and hauling concrete. Cornejo demo rr spur. Cutting rebar. 2:00 Stop work for rebar broke the door glass in DZR028. 4:30 left site. 52 loads of concrete and 3 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/13/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brewer	LI				y	12.0
Bo Farris	OPII				y	13.0
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0

TOTAL RECON HOURS: 135.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Angelo	Cornejo					9.0
Geddy	Cornejo					9.0
Miguel	Cornejo					9.0
Adrian	Cornejo					9.0
Manuel	Cornejo					7.0
Victor	Cornejo					7.0
Lester	Cornejo					5.5
Jim	Cornejo					8.0

TOTAL HOURS: 74.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	5	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
320 Excavator w/ thumb	EXC025	8	Owned	
D6XP Dozer	DZR028	6	Owned	
D85P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	7	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN008	8	Owned	
4" Water Pump	PPD037	2	Owned	
3" Water Pump	3430		Owned	
340 Excavator w/ Hammer	EXC078	12	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued breaking, loading, and hauling concrete to the stockpile. Watering roads. Cutting rebar. Cornejo finished demoing rr spur. 9:30 Weekly meeting. 1:30 Moved drums of oil from shop building area to the concrete pad north of the water treatment facility. 6:30 Left site. 39 loads of concrete. 4 loads of metal. 2 loads of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Recharged fire extiguishers $49.36. Purchased ice $11.10. Purchased fuel for my truck $83.51. Purchased fuel for the equipment $221.13. Southwind Oil delivered 915 gals of fuel $2330.00.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/15/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Stormy 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPM				y	8.5
Oscar Gonzalez	LM				y	2.5
Justino Gonzalez	LM				y	2.5
Nicolas Gonzalez	LM				y	2.5
Zach Kipalinos	LM				y	7.5
Lucas Brower	LI				y	7.5
Bo Farris	OPM				y	7.5
Russel Hebert	OPM				y	7.5
Kevin Wilson	LI				y	7.5

TOTAL RECON HOURS 76.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Tim Meade	RECON					
Brian Kellman	El Paso					
Bart Wilkins	El Paso					
Stuart Klaus	MWH					

TOTAL HOURS 35.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	11	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	7.5	Owned	
320 Excavator w/ thumb	EXC025		Owned	
D61P Dozer	DZR028	7.5	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	7.5	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATVD14	7.5	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	7.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. Lightning shutdown. 7:30 Moved out to site and another lightning shutdown at 8:08. 8:45 Sent everyone home because of storms. Tim Meade, Brian Kellman, and Bart Wilkins were onsite for a site visit. 11:30 Called operators and Zach and Kevin back in. Continued breaking and staging concrete. Cutting rebar. 4:30 left site because of storms.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1/2 in rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwinds delivered fuel $1457.70.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/16/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Cloudy 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	1.0
Tracy Holman	SSO				y	
Roger Roberts	OPM				y	
Oscar Gonzalez	LM				y	
Justino Gonzalez	LM				y	
Nicolas Gonzalez	LM				y	
Zach Kipalinos	LM				y	
Lucas Brower	LI				y	
Bo Farris	OPM				y	
Russel Hebert	OPM				y	
Kevin Wilson	LI				y	

TOTAL RECON HOURS 1.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		1	Personal	
Site Truck	ST160		Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081		Owned	
320 Excavator w/ thumb	EXC025		Owned	
D61P Dozer	DZR028		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054		Owned	
Generator	GEN009		Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMin		Rental	
Gator	ATVD14		Owned	
Welder/Greaser	WLD013		Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Rain Out. Filled up 6" water pump. Russel drove to Toro LA for rotation. Roger drove to Sanders TX for rotation. Bo demobed back to Port Arthur TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

2" of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/22/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Stormy 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPM				y	13.0
Oscar Gonzalez	LM				y	12.0
Justino Gonzalez	LM				y	12.0
Nicolas Gonzalez	LM				y	12.0
Zach Kipalinos	LM				y	12.0
Lucas Brower	LI				y	12.0
Jake McKeeely	LI				y	12.0
Russel Hebert	OPM				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alsing	OPM				y	12.0
Richard Guajardo	OPM				y	12.0

TOTAL RECON HOURS 159.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					11.5
Miguel	Cornejo					11.5
Juan	Cornejo					11.5
Scott	Cornejo					9.0
Manuel	Cornejo					9.0
Russ	Cornejo					2.0

TOTAL HOURS 67.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	12	Owned	
336 Excavator w/ thumb	EXC081	6.5	Owned	
320 Excavator w/ thumb	EXC025	11.5	Owned	
D61P Dozer	DZR028	12	Owned	
D65P Dozer	DZR049	6	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	12	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
3" Water Pump	3430	12	Owned	
350 Excavator w/ Hammer	EXC075	9	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATVD14	10	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. 7:00 Foley Equipment onsite to service EXC081. Continued breaking, loading, and hauling concrete to the stockpile. Pumping water, and watering roads. Cornejo onsite to set up crusher and start crushing concrete. Lost tooth on EXC025. Had to replace hydraulic line on EXC075. 12:00 Foley finished servicing EXC081. 2:00 Started crushing concrete. 3:45 EXC025 track rail broke 5356 hrs. 6:30 Left site. 27 loads of concrete. 4 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased hydraulic line for EXC075 $715.20. Purchased teeth for EXC025 $342.57.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/23/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Rainy 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	8.0
Roger Roberts	OPM				y	13.0
Oscar Gonzalez	LM				y	10.5
Justino Gonzalez	LM				y	10.5
Nicolas Gonzalez	LM				y	10.5
Zach Kipalinos	LM				y	10.5
Lucas Brower	LI				y	10.5
Jake McKeeely	LI				y	10.5
Russel Hebert	OPM				y	12.0
Kevin Wilson	LI				y	10.5
Kenneth Alsing	OPM				y	12.0
Richard Guajardo	OPM				y	11.5

TOTAL RECON HOURS 143.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					11.0
Juan	Cornejo					11.0
Miguel	Cornejo					11.0
Manuel	Cornejo					11.0
Stuart	MWH					2.0
Scott	Cornejo					11.0

TOTAL HOURS 70.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	8	Owned	
2000 gal water truck	WTK010	10.5	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
320 Excavator w/ thumb	EXC025		Owned	Down
D61P Dozer	DZR028	12	Owned	
D65P Dozer	DZR049	4	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	3	Owned	
TA 30 Off Road Truck	DPT066	3	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430	8	Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATVD14	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety Meeting. 7:00 Continued breaking, loading, and hauling concrete to the stockpile. Breaking concrete in the stockpile. Cutting rebar. Cornejo continued crushing concrete. 10:30 Measured new line for the basin sump and got 420'. 11:00 Moved EXC081 to the stockpile to sort out concrete since EXC025 is down. 5:00 Sent ground people home for the day because of the rain. 6:00 Shut down DZR028 because of the rain. 6:30 Left the site. 8 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased fuel and hydraulic oil $2,246.83.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/24/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				n	
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	12.0
Lucas Brower	LI				y	12.0
Jake McKinsey	LI				y	
Russel Hebert	OPII				y	11.5
Kevin Wilson	LI				y	
Kenneth Alsuna	OPII				y	11.5
Richard Guajardo	OPII				y	

TOTAL RECON HOURS: 109.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					11.5
Juan	Cornejo					11.5
Miguel	Cornejo					11.0
Manuel	Cornejo					11.5
Joe	VLP					4.5
Scott	Cornejo					1.0

TOTAL HOURS: 64.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160		Owned	
2000 gal water truck	WTK010	2	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
320 Excavator w/ thumb	EXC025		Owned	Down
D61P Dozer	DZR028	2	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	6	Owned	
3" Water Pump	3430	12	Owned	
350 Excavator w/ Hammer	EXC075	11.5	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	12	Owned	
Welder/Dresser	WLD013	1	Owned	
8" Water Pump	Hertz	10	Rental	
200 Excavator w/ Hammer	Hertz	11.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued hammering concrete concrete. Continued working in the stockpile separating concrete. Cutting rebar. Pumping Marley pond and cooling tower between ponds. Pumping water onsite. Hammering concrete in the pump house between ponds. Cornejo crushing concrete. 9:30 Best Supply delivered 30' suction hose for 6" pump. Fixed flats on ATV014. 1:15 VLP mechanic arrived to work on EXC025. 5:30 VLP left for the day will return tomorrow. 6:30 Left site. EST 700 tons of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

6" suction hose $598.00. Flat on ATV014 $16.33.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/25/10
DAY OF WEEK: Saturday
WEATHER/TEMP: PM Rain 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.5
Tracy Holman	SSO				n	
Roger Roberts	OPII				y	9.5
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	6.5
Zach Kilpatrick	LR				y	6.5
Lucas Brower	LI				y	
Jake McKinsey	LI				y	6.5
Russel Hebert	OPII				y	
Kevin Wilson	LI				y	6.5
Kenneth Alsuna	OPII				y	
Richard Guajardo	OPII				y	

TOTAL RECON HOURS: 53.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					9.5

TOTAL HOURS: 9.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9.5	Personal	
Site Truck	ST160		Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	8.5	Owned	
320 Excavator w/ thumb	EXC025	6	Owned	
D61P Dozer	DZR028		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Dresser	WLD013	1	Owned	
8" Water Pump	Hertz		Rental	
200 Excavator w/ Hammer	Hertz		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Sorting concrete and rebar in pile. Cutting rebar. Finished pumping all we could get from the Marley and Spray ponds. VLP onsite to work on EXC025. He finished putting in the pin and is waiting for the bolts for the track pads. 3:00 Lightning shut down and go for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/27/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				n	
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	3.5
Lucas Brower	LI				y	12.0
Jake McKinsey	LI				y	12.0
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alsuna	OPII				y	12.0
Richard Guajardo	OPII				y	12.0

TOTAL RECON HOURS: 137.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					11.0
Manuel	Cornejo					11.0
Juan	Cornejo					11.0
Miguel	Cornejo					11.0
Joe	VLP					1.0
Brian	CB					7.5
Todd	CB					7.5
Mike	Foley					0.5

TOTAL HOURS: 73.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160		Owned	
2000 gal water truck	WTK010	3	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
320 Excavator w/ thumb	EXC025	12	Owned	
D61P Dozer	DZR028	12	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	12	Owned	
350 Excavator w/ Hammer	EXC075	4	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	12	Owned	
Welder/Dresser	WLD013	1	Owned	
8" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Safety meeting. 7:00 Continued sorting in pile, hammering concrete, cutting rebar. Hammering concrete in the process area. Cornejo crushing concrete. Grading MPA 2. 8:00 VLP arrived to finish EXC025. 9:30 Weekly meeting. 10:00 Zach went to the doctor and will be out until tomorrow. 3:15 Foley Equipment arrived to fix O-ring on EXC081. 6:30 Left site. 400 tons of crushed concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 9/28/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	2.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	12.0
Lucas Brower	LI				y	12.0
Jake McKinsey	LI				y	12.0
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alsuna	OPII				y	12.0
Richard Guajardo	OPII				y	12.0

TOTAL RECON HOURS: 149.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					8.0
Manuel	Cornejo					12.0
Miguel	Cornejo					12.0
Juan	Cornejo					12.0
Todd	CB					9.5
Brian	CB					9.5
Nicholas	Cornejo					1.5
Joe	VLP					2.5
Jose	Cornejo					3.0
Scott	Cornejo					3.0

TOTAL HOURS: 84.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	2	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
320 Excavator w/ thumb	EXC025	12	Owned	
D61P Dozer	DZR028	12	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	7	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	2	Owned	
3" Water Pump	3430	12	Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	12	Owned	
Welder/Dresser	WLD013	1	Owned	
8" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued sorting pile, cutting rebar, breaking concrete. Pumped water from various areas. Watered roads. Surveyors onsite for grade staking of channel and completed areas. Cornejo onsite to crush concrete. 9:20 Southwind oil onsite to deliver fuel. 11:00 Moved EXC081 to process area to continue removing concrete. 1:30 VLP onsite to fix A/C on DZR028. 4:30 Cornejo loading building on trailer for transport offsite. 7:00 Left site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased fuel $2,285.39. Purchased cutting supplies $411.40.

SUPERINTENDENT SIGNATURE: **CUSTOMER SIGNATURE:**

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 9/23/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Stormy 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	13.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	12.0
Lucas Brewer	LI				y	12.0
Jake McKinney	LI				y	8.0
Ruben Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alburto	OPII				y	12.0
Richard Guajardo	OPII				y	12.0

TOTAL RECON HOURS: 155.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					
Miguel	Cornejo					
Juan	Cornejo					
Scott	Cornejo					
Manuel	Cornejo					
Russ	Cornejo					

TOTAL HOURS: 13.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D6TP Dozer	DZR028	12	Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	2	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CONS54	8	Owned	
Generator	GEN009	12	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430	12	Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMkv	8	Rental	
Gator	ATV014	12	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

TOTAL HOURS: 60.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working in concrete pile sorting and cutting rebar. Breaking, Loading, and hauling concrete to the pile. Pumping water. Cornejo crushing concrete. 11:00 Foley equipment arrived to put track pad bolts back on EX0081. 2:30 Jake McKinnely had to leave for personel issues. 7:00 Left site. 23 loads of concrete & 5 metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind oil delivered grease and fuel $1765.45.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 10/4/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	12.0
Lucas Brewer	LI				y	12.0
Jake McKinnely	LI				n	
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alburto	OPII				y	12.0
Richard Guajardo	OPII				y	12.0
Larry Nelson	CM				y	13.0

TOTAL RECON HOURS: 161.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					3.0
Manuel	Cornejo					11.5
Juan	Cornejo					11.5
Miguel	Cornejo					11.5

TOTAL HOURS: 50.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D6TP Dozer	DZR028	12	Owned	
D6SP Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CONS54	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMkv	8	Rental	
Gator	ATV014	12	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued breaking, loading, and hauling concrete to the stockpile. Grading areas. Cutting rebar. Cornejo crushing concrete. 10:30 Sullivan Trucking Co. delivered 2 covered rolloff boxes for the asphalt. 11:45 Safety lunch for guys. 7:00 Left site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Received 2 rolloff boxes from Sullivan's Trucking. T and D Tire replaced orings on tire on DPT064 $75.28.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 10/5/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	12.0
Lucas Brewer	LI				y	12.0
Jake McKinnely	LI				n	
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alburto	OPII				y	12.0
Richard Guajardo	OPII				y	12.0
Larry Nelson	CM				y	13.0

TOTAL RECON HOURS: 161.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					2.0
Miguel	Cornejo					11.5
Juan	Cornejo					11.5
Todd	CB					
Brian	CB					
Nicholas	Cornejo					
Joe	VLP					
Jose	Cornejo					11.5
Scott	Cornejo					

TOTAL HOURS: 49.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D6TP Dozer	DZR028	12	Owned	
D6SP Dozer	DZR049	3	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	12	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CONS54	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430	3	Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMkv	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator w/ Hammer	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued breaking, loading, and hauling concrete to the stockpile. Grading MPA2 and MPA3. Cutting rebar. Cornejo crushing concrete. Breaking and sorting concrete in the pile. 3:00 Allmetal picked up full box and droped empty box. 7:00 Leave site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 10/6/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kilpatrick	LR				y	12.0
Lucas Brewer	LI				y	12.0
Jake McKinnely	LI				n	
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Alburto	OPII				y	11.0
Richard Guajardo	OPII				y	12.0
Larry Nelson	CM				y	13.0

TOTAL RECON HOURS: 160.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					3.0
Miguel	Cornejo					11.5
Juan	Cornejo					11.5
Scott	Cornejo					
Manuel	Cornejo					11.5
Russ	Cornejo					

TOTAL HOURS: 50.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTK010	12	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D6TP Dozer	DZR028		Owned	
D6SP Dozer	DZR049	8	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	12	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CONS54	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMkv	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	3	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued breaking, loading, and hauling concrete to the stockpile. Continued sorting and breaking in the pile. 9:45 Called Kits w/ Westar Power about the transformer disposal. 2:00 New excavator arrived from Hertz arrived. 4:00 Began setup for loading asphalt in rolloff boxes. 200 JD and D61 dozers to pull the box. 6:00 Finished loading 1 box with asphalt material. 7:00 leave site. 22 loads of concrete and 5 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $2,519.40.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/7/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brower	LI				y	12.0
Jake McKinney	LI				n	
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Aluma	OPII				y	12.0
Richard Guajardo	OPII				n	
Larry Nelson	CM				y	13.0
					TOTAL RECON HOURS	148.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					7.0
Manuel	Cornejo					11.5
Juan	Cornejo					11.5
Miguel	Cornejo					11.5
Scott	Cornejo					
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
					TOTAL HOURS	54.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTR010	8	Owned	
330 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D61P Dozer	DZR028	8	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	OFT084		Owned	
TA 30 Off Road Truck	OFT085	8	Owned	
TA 30 Off Road Truck	OFT056	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	Mobile	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	3	Rental	
200 Excavator	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued breaking, loading, and hauling concrete to the pile. Sorting and breaking concrete in the pile. Cutting rebar. Continued loading rolloff box with asphalt. 10:15 Take down remaining powerlines. Allmetal dropped two empty boxes and picked up two full boxes. 11:30 Started removing slabs from buildings. Ordered two more covered rolloff boxes from Sullivan's Trucking. 1:00 Finished loading rolloff box with asphalt. Started uncovering 4" pvc line from Marley pond. Found water and moved pump over to small pond on the west side and started pumping it down to get water down in the pond. 4:45 Sullivan's Trucking delivered 2 more covered rolloff boxes. 6:30 Moved fuel tank because we found concrete under it. 7:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/7/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brower	LI				y	12.0
Jake McKinney	LI				n	
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Aluma	OPII				y	12.0
Richard Guajardo	OPII				n	
Larry Nelson	CM				y	13.0
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0
					TOTAL RECON HOURS	168.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					7.0
Manuel	Cornejo					11.5
Juan	Cornejo					11.5
Miguel	Cornejo					11.5
Scott	Cornejo					
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
					TOTAL HOURS	54.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTR010	8	Owned	
330 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D61P Dozer	DZR028	6	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	OFT084		Owned	
TA 30 Off Road Truck	OFT085	8	Owned	
TA 30 Off Road Truck	OFT056	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	Mobile	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	3	Rental	
200 Excavator	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued breaking, loading, and hauling concrete to the pile. Sorting and breaking concrete in the pile. Cutting rebar. Continued loading rolloff box with asphalt. 10:15 Take down remaining powerlines and poles. Allmetal dropped two empty boxes and picked up two full boxes. 11:30 Started removing slabs from buildings. Ordered two more covered rolloff boxes from Sullivan's Trucking. 1:00 Finished loading rolloff box with asphalt. Started uncovering 4" pvc line from Marley pond. Found water and moved pump over to small pond on the west side and started pumping it down to get water down in the pond. 4:45 Sullivan's Trucking delivered 2 more covered rolloff boxes. 6:30 Moved fuel tank because we found concrete under it. 7:00 Left site. 34 loads of concrete. 4 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Removed 8 power poles.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Matthew Meade and Eric Jennings mobed in from Houston. Matthew drove.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/8/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brower	LI				y	12.0
Jake McKinney	LI				n	
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Aluma	OPII				y	12.0
Richard Guajardo	OPII				n	
Larry Nelson	CM				y	13.0
Matthew Meade	LI				y	12.0
Eric Jennings	LI				y	12.0
					TOTAL RECON HOURS	172.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					8.0
Manuel	Cornejo					11.5
Miguel	Cornejo					11.5
Juan	Cornejo					11.5
Mick	Cornejo					10.0
Brian	CB					2.0
Todd	CB					2.0
					TOTAL HOURS	56.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST160	13	Owned	
2000 gal water truck	WTR010	12	Owned	
330 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D61P Dozer	DZR028	12	Owned	
D65P Dozer	DZR049	12	Owned	
TA 30 Off Road Truck	OFT084		Owned	
TA 30 Off Road Truck	OFT085	12	Owned	
TA 30 Off Road Truck	OFT056	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430	2	Owned	
360 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	Mobile	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued removing concrete and hauling to the pile. Breaking and sorting in the pile. Cutting rebar. Loading boxes with scrap. Loading boxes with asphalt from the concrete trench and from areas on the west side all day. Grading areas so they won't hold water if it rains. 2:30 Surveyors topoed area in the southeast corner of MPA2. 3:45 Allmetal picked up loaded scrap box and dropped empty. 7:00 left site. 27 concrete. 2 metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind oil delivered fuel $3,135.17.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/9/10
DAY OF WEEK: Saturday
WEATHER/TEMP: Sunny 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Tracy Holman	SSO				y	8.0
Roger Roberts	OPII				y	10.0
Oscar Gonzalez	LII				y	8.0
Justino Gonzalez	LII				y	8.0
Nicolas Gonzalez	LII				y	8.0
Zach Kilpatrick	LII				y	8.0
Lucas Brower	LI				y	8.0
Jake McKinney	LI				n	
Russel Hebert	OPII				y	8.0
Kevin Wilson	LI				y	8.0
Kenneth Aluma	OPII				y	8.0
Richard Guajardo	OPII				n	
Larry Nelson	CM				y	8.0
Matthew Meade	LI				y	8.0
Eric Jennings	LI				y	8.0
					TOTAL RECON HOURS	117.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Manuel	Cornejo					8.0
Juan	Cornejo					8.0
Miguel	Cornejo					8.0
Mick	Cornejo					2.0
					TOTAL HOURS	26.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
Site Truck	ST160	8	Owned	
2000 gal water truck	WTR010	8	Owned	
330 Excavator w/ thumb	EXC081	8	Owned	
200 Excavator w/ thumb	EXC025	8	Owned	
D61P Dozer	DZR028	8	Owned	
D65P Dozer	DZR049	8	Owned	
TA 30 Off Road Truck	OFT084		Owned	
TA 30 Off Road Truck	OFT085	8	Owned	
TA 30 Off Road Truck	OFT056	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	2	Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	8	Owned	
40' Job Shack	Mobile	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz		Rental	
200 Excavator	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued breaking, loading, and hauling concrete to the pile. Cutting rebar. Located 4" PVC line for the sump on the north end. Cornejo crushing concrete. Grading areas for rain. Replaced bolt in the remote on the water truck. Replaced tooth on EXC025. Tightened loose heater hose on rental excavator. Changed fuel filter on EXC075. 3:00 Left site. 19 loads of concrete. 4 metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/11/10
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Tracy Hallman	SSO				y	10.5
Roger Roberts	OP4				y	8.0
Oscar Gonzalez	LH				y	9.5
Justino Gonzalez	LH				y	9.5
Nicolas Gonzalez	LH				y	9.5
Zach Kilpatrick	LH				y	9.5
Lucas Brewer	LI				y	
Jake McKinnely	LI				n	
Russell Hebert	OP8				y	9.5
Kevin Wilson	LI				y	9.5
Kenneth Albury	OP3				y	9.5
Richard Guajardo	OP8				n	
Larry Nelson	CM				y	10.5
Matthew Meade	LI				y	
Eric Jennings	LI				y	
				TOTAL RECON HOURS		107.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mick	Cornejo					8.5
Manuel	Cornejo					8.5
Juan	Cornejo					8.5
Miguel	Cornejo					8.5
					TOTAL HOURS	34.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Site Truck	ST100	10.5	Owned	
2000 gal water truck	WTK010	2	Owned	
336 Excavator w/ thumb	EXC081	8.5	Owned	
300 Excavator w/ thumb	EXC025	8.5	Owned	
D61P Dozer	DZR028		Owned	
D65P Dozer	DZR048		Owned	
TA 30 Off Road Truck	DPT084		Owned	
TA 30 Off Road Truck	DPT085		Owned	
TA 30 Off Road Truck	DPT056		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
30' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
390 Excavator w/ Hammer	EXC075	8.5	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013		Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	8.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Removing and staging concrete. Sorting and breaking concrete. Cutting rebar. Laying 4" pipe for basin pump. Cornejo changing blades in crusher. And then crushing concrete. 9:30 Weekly call in meeting. 11:00 Best Supply delivered 500' of 4" PVC and fittings. 2:30 Southwind Oil delivered fuel. 3:30 Cornejo delivered screen. 4:30 Lightning and rain out.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $1,393.37.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/12/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Hallman	SSO				y	13.0
Roger Roberts	OP4				y	14.0
Oscar Gonzalez	LH				y	13.0
Justino Gonzalez	LH				y	13.0
Nicolas Gonzalez	LH				y	13.0
Zach Kilpatrick	LH				y	13.0
Lucas Brewer	LI				y	13.0
Jake McKinnely	LI				n	
Russell Hebert	OP8				y	13.0
Kevin Wilson	LI				y	13.0
Kenneth Albury	OP3				y	13.0
Richard Guajardo	OP8				n	
Larry Nelson	CM				y	13.0
Matthew Meade	LI				y	13.0
Eric Jennings	LI				y	13.0
				TOTAL RECON HOURS		183.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					6.0
Manuel	Cornejo					11.5
Miguel	Cornejo					11.5
Juan	Cornejo					11.5
Kurt	Cornejo					1.0
Martin	Cornejo					8.5
Juan	Cornejo					8.5
					TOTAL HOURS	71.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST100	13	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
300 Excavator w/ thumb	EXC025	12	Owned	
D61P Dozer	DZR028	5	Owned	
D65P Dozer	DZR048		Owned	
TA 30 Off Road Truck	DPT084		Owned	
TA 30 Off Road Truck	DPT085	10	Owned	
TA 30 Off Road Truck	DPT056	12	Owned	
TA 30 Off Road Truck	DPT078	12	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
30' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	12	Owned	
390 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

1.25" of rain yesterday evening. 7:00 Safety meeting. 7:30 Continued breaking, loading, and hauling concrete to the stockpile. Cutting rebar. Breaking in the concrete pile. Pumping water. Cornejo crushing concrete, changing screens, and setting up power screen. Finished hooking up 4" line from the Marley pond and started backfill. 1:45 During backfill broke line in a soft spot in the ditch and had to repair. Moved transformer to staging area. 7:00 Left site. 58 loads of concrete. 7 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/13/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Hallman	SSO				y	13.0
Roger Roberts	OP4				y	14.0
Oscar Gonzalez	LH				y	12.0
Justino Gonzalez	LH				y	12.0
Nicolas Gonzalez	LH				y	12.0
Zach Kilpatrick	LH				y	12.0
Lucas Brewer	LI				y	12.0
Jake McKinnely	LI				n	
Russell Hebert	OP8				y	11.0
Kevin Wilson	LI				y	12.0
Kenneth Albury	OP3				y	12.0
Richard Guajardo	OP8				n	
Larry Nelson	CM				y	13.0
Matthew Meade	LI				y	12.0
Eric Jennings	LI				y	12.0
				TOTAL RECON HOURS		172.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
Mick	Cornejo					11.5
Miguel	Cornejo					11.5
Juan	Cornejo					11.5
Scott	Cornejo					
Manuel	Cornejo					11.5
Russ	Cornejo					
Martin	Cornejo					3.5
Adrian	Cornejo					11.5
Juan	Cornejo					3.5
Kenny	Cornejo					1.0
Stuart	MWH					2.0
					TOTAL HOURS	[illegible]

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
Site Truck	ST100	12	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
300 Excavator w/ thumb	EXC025	11	Owned	
D61P Dozer	DZR028	5	Owned	
D65P Dozer	DZR048		Owned	
TA 30 Off Road Truck	DPT084		Owned	
TA 30 Off Road Truck	DPT085	12	Owned	
TA 30 Off Road Truck	DPT056	12	Owned	
TA 30 Off Road Truck	DPT078	12	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
30' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
3" Water Pump	3430	8	Owned	
390 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	10	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued loading and hauling concrete to the stockpile. Backfilled 4" line. Sorting at the concrete stockpile. Cutting rebar. Hauling scrap metal. Cornejo crushing concrete. 9:40 Southwind Oil delivered fuel. 2:30 Stuart called and the 6" pump is about to overflow the ponds on the other side and had to shut it down. 3:30 Moved 4" and 3" pump over there to get it pumped down and we could turn back on the 6" pump. 7:00 Left site. 31 loads of concrete. 12 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwinds delivered fuel $1,488.84. T&D Tire out to fix flat on DPT056.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/14/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	4.0
Tracy Hallman	SSO				y	13.0
Roger Roberts	OP4				y	14.0
Oscar Gonzalez	LH				y	12.0
Justino Gonzalez	LH				y	12.0
Nicolas Gonzalez	LH				y	4.0
Zach Kilpatrick	LH				y	
Lucas Brewer	LI				y	12.0
Jake McKinnely	LI				n	
Russell Hebert	OP8				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Albury	OP3				y	12.0
Richard Guajardo	OP8				n	
Larry Nelson	CM				y	13.0
Matthew Meade	LI				y	12.0
Eric Jennings	LI				y	12.0
				TOTAL RECON HOURS		144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mick	Cornejo					
Manuel	Cornejo					
Juan	Cornejo					
Miguel	Cornejo					
Scott	Cornejo					
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		4	Personal	
Site Truck	ST100	12	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	12	Owned	
300 Excavator w/ thumb	EXC025		Owned	
D61P Dozer	DZR028	4	Owned	
D65P Dozer	DZR048		Owned	
TA 30 Off Road Truck	DPT084		Owned	
TA 30 Off Road Truck	DPT085	12	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT078	12	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
30' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	8	Owned	
3" Water Pump	3430	8	Owned	
390 Excavator w/ Hammer	EXC075	12	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	11	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	10	Rental	
200 Excavator	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700hrs. Safety meeting. 0730hrs. Men checking out equipment and continued loading and hauling concrete to stockpile area ,also picking up metal and hauling to metal area.Sorting at the concrete stockpile area. Cutting rebar. Cornejo crushing concrete . pump water from lead area and ponds by office trailer . Hauled 14 loads of crush concrete for Cornjo to new stockpile area. 21 loads concrete ,3 loads of metal.Left site at 1900hrs.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Went over to put in 6" pipe in at ponds across railroad, but utilities has to be located first.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Tami Jon and Nicolas just get $25.00 per diem for the day. Tire on offroad truck has not been fix yet.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/18/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				n	
Tracy Holman	SSO				y	7.5
Roger Roberts	OPS				y	12.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				n	
Zach Kilpatrick	LR				y	
Lucas Brewer	LI				y	
Jake McKinnely	LI				n	
Russel Hebert	OPS				y	10.0
Kevin Wilson	LI				y	10.0
Kenneth Alfonso	OPS				y	10.0
Richard Guajardo	OPS				n	
Lenny Nelson	CM				y	11.0
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Mick	Cornejo					
Brian	CB					
Todd	CB					
Gary						9.5
Nick Johnson						0.5
Richard Miles						0.5

TOTAL HOURS: 42.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck			Personal	
Site Truck	ST160	11	Owned	
2000 gal water truck	WT0010	4	Owned	
330 Excavator w/ thumb	EXC091	10	Owned	
350 Excavator w/ thumb	EXC025		Owned	
D6XR Dozer	D2R029		Owned	
D6XR Dozer	D2R040		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	6	Owned	
TA 30 Off Road Truck	DPT066	2	Owned	
TA 30 Off Road Truck	DPT076		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN008	8	Owned	
6" Water Pump	PP0037	1	Owned	
3" Water Pump	3430	3	Owned	
280 Excavator w/ Hammer	EXC075	10	Owned	
42" Job Shack	MaxMac	8	Rental	
Gator	ATV014	10	Owned	
Welder/Generator	WL0013	1	Owned	
6" Water Pump	Herip	7	Rental	
330 Excavator	Herip	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700hrs. Held safety meeting. Continued loading concrete and hauling to the stockpile area. Sorting concrete at stockpile area and cutting of rebar. 1115 hrs. finish up with concrete. 1150 hrs changing buckets on cat 330 , put tail gates back on two off road truck DPT066 and DPT065. Pump water from both ponds by office trailer. 1700hrs. leaving site. Haul 3 loads of concrete to stockpile area.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Put in 8" pipe PVC across railroad tracks so water could go from one pond to another,took 1.5 hours

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

TCI Tire Center replace left rear tire on DPT 066 not sure of cost Jon took care of it. Received fuel today 650 gals. Cost $1,513.93, received two bottles of propaneand two bottles of oxy.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/19/10
DAY OF WEEK: Saturday
WEATHER/TEMP: Sunny 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				n	
Tracy Holman	SSO				y	
Roger Roberts	OPS				y	7.5
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				n	
Zach Kilpatrick	LR				y	
Lucas Brewer	LI				y	8.5
Jake McKinnely	LI				n	
Russel Hebert	OPS				y	
Kevin Wilson	LI				y	
Kenneth Alfonso	OPS				y	8.5
Richard Guajardo	OPS				n	
Lenny Nelson	CM				y	8.5
Matthew Meade	LI				y	
Eric Jennings	LI				y	

TOTAL RECON HOURS: 24.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Manuel	Cornejo					
Juan	Cornejo					
Miguel	Cornejo					
Mick	Cornejo					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck			Personal	
Site Truck	ST160		Owned	
2000 gal water truck	WT0010		Owned	
330 Excavator w/ thumb	EXC091	5	Owned	
350 Excavator w/ thumb	EXC025		Owned	
D6XR Dozer	D2R029	1	Owned	
D6XR Dozer	D2R040		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	
TA 30 Off Road Truck	DPT076		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN008	8	Owned	
6" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
280 Excavator w/ Hammer	EXC075		Owned	
42" Job Shack	MaxMac	8	Rental	
Gator	ATV014		Owned	
Welder/Generator	WL0013		Owned	
6" Water Pump	Herip		Rental	
330 Excavator	Herip		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700hrs. Held safety meeting. 0730hrs. Moved 4" and6" pumps over across tracks to pump down larger pond into far south west pond need to drop larger pond down 1'. Cat 330 made pad for off road trucks to dump at larger pond. D6t wide track made ramp and leveled up smaller pond by office trailer.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/18/10
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	
Tracy Holman	SSO				y	10.0
Roger Roberts	OPS				y	11.0
Oscar Gonzalez	LR				y	9.0
Justino Gonzalez	LR				y	9.0
Nicolas Gonzalez	LR				y	
Zach Kilpatrick	LR				y	
Lucas Brewer	LI				y	9.0
					n	
Russel Hebert	OPS				y	9.0
Kevin Wilson	LI				y	9.0
Kenneth Alfonso	OPS				y	9.0
Richard Guajardo	OPS				y	
Lenny Nelson	CM				n	
Matthew Meade	LI				y	9.0
Eric Jennings	LI				y	9.0

TOTAL RECON HOURS: 85.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Mick	Cornejo					9.5
Manuel	Cornejo					9.5
Juan	Cornejo					9.5
Miguel	Cornejo					9.5

TOTAL HOURS: 48.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck			Personal	
Site Truck	ST160	10	Owned	
2000 gal water truck	WT0010	7	Owned	
330 Excavator w/ thumb	EXC091	9	Owned	
350 Excavator w/ thumb	EXC025		Owned	
D6XR Dozer	D2R029	3	Owned	
D6XR Dozer	D2R040		Owned	
TA 30 Off Road Truck	DPT064	6	Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	
TA 30 Off Road Truck	DPT076		Owned	
TA 30 Off Road Truck	DPT070	6	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN008	8	Owned	
6" Water Pump	PP0037	8	Owned	
3" Water Pump	3430	8	Owned	
280 Excavator w/ Hammer	EXC075	8	Owned	
42" Job Shack	MaxMac	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WL0013	1	Owned	
6" Water Pump	Herip	8	Rental	
330 Excavator	Herip	9	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Moved pumps, worked on concrete pile, cutting rebar. Cornejo crushing concrete. 12:00 Started hauling lead soils to the designated area with 2 trucks. Found bedrock that was shallow. Got with MMH and Ronnie and they want to go to the bedrock and stop. Loaded 2 metal bins. 4:00 Lightning shutdown sent everyone home.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/19/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPS				y	12.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LI				y	10.0
Andres (Art) Enriquez	OPS				y	10.0
Russel Hebert	OPS				y	10.0
Kevin Wilson	LI				y	10.0
Kenneth Alfonso	OPS				y	
Richard (Yogi) Guajardo	OPS				y	10.0
Lenny Nelson	CM				n	
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0

TOTAL RECON HOURS: 144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Mick	Cornejo					8.0
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Kurt	Cornejo					
Martin	Cornejo					
Juan	Cornejo					

TOTAL HOURS: 49.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	11	Owned	
2000 gal water truck	WT0010	8	Owned	
330 Excavator w/ thumb	EXC091	10	Owned	
350 Excavator w/ thumb	EXC025		Owned	
D6XR Dozer	D2R029	2	Owned	
D6XR Dozer	D2R040	2	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	7	Owned	
TA 30 Off Road Truck	DPT076	10	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN008	8	Owned	
6" Water Pump	PP0037	3	Owned	
3" Water Pump	3430		Owned	
280 Excavator w/ Hammer	EXC075	10	Owned	
42" Job Shack	MaxMac	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WL0013	1	Owned	
6" Water Pump	Herip	8	Rental	
330 Excavator	Herip	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued breaking, sorting, and cutting rebar at the concrete pile. Continued loading lead and hauling to designated area. Cornejo crushing concrete. Tracy giving Yogi and Art 8 hr refresher. 9:00 Mick wCornejo delivered fabric for the road to dump the sludge. Stuart and Doug wMMH were out to look at lead areas and the asphalt we found in the lead area. We will take it to the designated area and just put it on plastic for now. 12:00 Southwind Oil delivered fuel. 2:00 Went to VLP to pick up brace for thumb on EXC026. Picked up arings for DPT070. 5:00 Left site for the day. 61 loads of lead.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $847.09.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/29/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPII				y	12.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LJ				y	10.0
Antonio (Art) Enriquez	OPII				y	10.0
Russel Hebert	OPII				y	10.0
Kevin Wilson	LJ				y	10.0
Kenneth Alburns	OPII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LJ				y	10.0
Eric Jennings	LJ				y	10.0

TOTAL RECON HOURS: 134.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Nick	Cornejo					7.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Scott	Cornejo					
Manuel	Cornejo					10.0
Russ	Cornejo					
Martin	Cornejo					
Adrian	Cornejo					10.0
Juan	Cornejo					
Kenny	Cornejo					
Stuart	MWH					

TOTAL HOURS: 84.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	7	Owned	
336 Excavator w/thumb	EXC081	10	Owned	
330 Excavator w/thumb	EXC025	10	Owned	
D6XR Dozer	DZR028	10	Owned	
D6XR Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	4	Owned	
TA 30 Off Road Truck	DPT065	5	Owned	
TA 30 Off Road Truck	DPT066	8	Owned	
TA 30 Off Road Truck	DPT078	10	Owned	
TA 30 Off Road Truck	DPT079	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC073	10	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	6	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi	10	Rental	

TOTAL HOURS: 52.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Worked on dumping road by the west pond. Placed geogrid and rock. Loading and hauling lead impacted soil to designated area. Sorting and hammering at the concrete pile. 1:00 Started hauling mud from the Spray pond using 336, D65, 5-TA 30's, and 350. 3:00 During excavation of the Spray pond the sediment is about 8' deep. I visited with Ronnie about it and we have to get it all out. Ronnie wants us to send out an RFI. 6:00 Left site. 45 loads of lead soil. 30 loads of sediment.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/31/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 84

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPII				y	12.0
Oscar Gonzalez	LR				y	3.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LJ				y	
Antonio (Art) Enriquez	OPII				y	10.0
Russel Hebert	OPII				y	3.0
Kevin Wilson	LJ				y	10.0
Kenneth Alburns	OPII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Larry Nelson	CM				y	
Matthew Meade	LJ				y	
Eric Jennings	LJ				y	10.0

TOTAL RECON HOURS: 120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Nick	Cornejo					10.0
Manuel	Cornejo					10.0
Juan	Cornejo					10.0
Miguel	Cornejo					10.0
Adrian	Cornejo					10.0
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
Stuart	MWH					1.5

TOTAL HOURS: 82.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	3	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
330 Excavator w/ thumb	EXC025	10	Owned	
D6XR Dozer	DZR028	10	Owned	
D6XR Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	10	Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	
TA 30 Off Road Truck	DPT078	3	Owned	
TA 30 Off Road Truck	DPT079		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC073	3	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	7	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sorting concrete at concrete pile. Hauling lead soil. Cornejo crushing concrete. Hauling sediment to the west pond with 3 - TA 30's, 336, D65, and D61. 8:00 Stuart was out to look at sediment removal. 2:00 Joel w/ Electricraft Installed meter loop pole. Replaced starter on ATV014. Altmetal removed 2 full boxes of scrap metal. 6:00 Left site. 8 loads of lead. 120 loads of sediment.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/29/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPII				y	12.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LJ				n	
Antonio (Art) Enriquez	OPII				y	8.0
Russel Hebert	OPII				n	
Kevin Wilson	LJ				y	10.0
Kenneth Alburns	OPII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LJ				y	
Eric Jennings	LJ				y	

TOTAL RECON HOURS: 109.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Manuel	Cornejo					8.0
Miguel	Cornejo					8.0
Juan	Cornejo					8.0
Nick	Cornejo					8.0
Adrian	Cornejo					8.0
Todd	CB					

TOTAL HOURS: 51.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
330 Excavator w/ thumb	EXC025	10	Owned	
D6XR Dozer	DZR028	10	Owned	
D6XR Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	10	Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	
TA 30 Off Road Truck	DPT078		Owned	
TA 30 Off Road Truck	DPT079		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC073	8	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	4	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi	10	Rental	

TOTAL HOURS: 50.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sorting concrete in stockpile. Continued hauling sediment from the Spray pond. 56 loads completed 8. Cornejo crushing concrete. 8:30 Kenny left for physical. 9:30 Yogi left for physical. 1:30 Started Marley pond. 6:00 Left site. 17 loads of sediment.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind oil delivered fuel $2,644.98.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/25/10
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPII				y	12.0
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LJ				y	
Antonio (Art) Enriquez	OPII				y	10.0
Russel Hebert	OPII				y	
Kevin Wilson	LJ				y	10.0
Kenneth Alburns	OPII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LJ				y	10.0
Eric Jennings	LJ				y	10.0

TOTAL RECON HOURS: 124.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Nick	Cornejo					8.0
Manuel	Cornejo					10.0
Juan	Cornejo					10.0
Miguel	Cornejo					10.0
Adrian	Cornejo					10.0

TOTAL HOURS: 59.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water tank	WTK010	2	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
330 Excavator w/ thumb	EXC025	8	Owned	
D6XR Dozer	DZR028	10	Owned	
D6XR Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	8	Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	
TA 30 Off Road Truck	DPT078		Owned	
TA 30 Off Road Truck	DPT079		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Generator	GEN009	8	Owned	
4" Water Pump	PPD037		Owned	
2" Water Pump	3430	3	Owned	
350 Excavator w/ Hammer	EXC073		Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	5	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Herbi	3	Rental	
330 Excavator	Herbi	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued excavating Marley pond. Sorting in the concrete pile and cutting rebar. Pumping water from the Marley pond. Cornejo crushing concrete. 8:30 Zach had annual physical. 9:30 Weekly meeting . 1:00 Moved 6" pump. Excavated sump in the Basin down to bedrock to prepare to pump ground water. 3:15 Locating 4" line by Marley pond. 6:00 Left site. 109 loads of sediment.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/2/2015
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPS				y	13.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	11.5
Lucas Brewer	LI				y	10.0
Andres (Art) Enriquez	OPS				y	10.0
Russel Hebert	OPS				y	
Kevin Wilson	LI				y	11.5
Kenneth Alums	OPS				y	10.0
Richard (Yogi) Guagardo	OPS				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0

TOTAL RECON HOURS: 150.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Mick	Cornejo					10.0
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Adrian	Cornejo					10.0
	Cornejo					

TOTAL HOURS: 61.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	5	Owned	
336 Excavator w/thumb	EXC041	10	Owned	
330 Excavator w/thumb	EXC035	10	Owned	
D6XP Dozer	DZR028	10	Owned	
D6XP Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	10	Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066	10	Owned	
TA 30 Off Road Truck	DPT068	5	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN005	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	10	Rental	

TOTAL HOURS: 61.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued excavating Marley pond. Sorting in the concrete pile and cutting rebar. Finished loading 4" line between ponds. Loaded scrap boxes. Cornejo picked up 3 boxes. 10:45 Removed USTM2. 11:30 Southwind oil delivered fuel. 12:30 Finished Marley pond. 81 loads. Deere dozer, excavator, and trucks. Began loading and hauling lead. 38 loads. Grading soil. 2:00 Move jobshack, generator, and conex. 3:30 Surveyors arrived to topo ponds. Topo lead areas that are complete. 6:00 Some people left site. Kept Roger to finish setting up the generator. Zach and Kevin stayed with the surveyors.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind oil delivered fuel $1232.90.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/2/2015
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPS				y	12.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LI				y	10.0
Andres (Art) Enriquez	OPS				y	10.0
Russel Hebert	OPS				y	10.0
Kevin Wilson	LI				y	10.0
Kenneth Alums	OPS				y	10.0
Richard (Yogi) Guagardo	OPS				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0

TOTAL RECON HOURS: 154.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Mick	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Scott	Cornejo					
Manuel	Cornejo					10.0
Russ	Cornejo					
Martin	Cornejo					
Adrian	Cornejo					10.0
Juan	Cornejo					
Kenny	Cornejo					
Stuart	MWH					

TOTAL HOURS: 61.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC041	10	Owned	
330 Excavator w/ thumb	EXC035	8	Owned	
330 Excavator w/ thumb	EXC035	10	Owned	
D6XP Dozer	DZR028	10	Owned	
D6XP Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	8	Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT068	8	Owned	
TA 30 Off Road Truck	DPT069	8	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN005	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430	3	Owned	
330 Excavator w/ Hammer	EXC075	10	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	10	Rental	

TOTAL HOURS: 61.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Loading lead soil. 22 loads finished it. Sorting concrete in the pile. Loading misc. debris piles for staging. Surveyors laying out basin and last lead area. Installed temporary 4" water line to pump out sump area. Cornejo crushing concrete. 10:00 Best Supply delivered 800' of 4" pvc and fittings. 12:30 Started basin excavation filling area along the fence on the east side of the Marley pond with excavator and dozer. Hauled some with the trucks. 16 loads. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Best Supply delivered 4" pvc line and fittings. Surveyors out to lay out basin.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/2/2015
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPS				y	
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	
Lucas Brewer	LI				y	10.0
Andres (Art) Enriquez	OPS				y	10.0
Russel Hebert	OPS				y	10.0
Kevin Wilson	LI				y	
Kenneth Alums	OPS				y	10.0
Richard (Yogi) Guagardo	OPS				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0

TOTAL RECON HOURS: 132.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Mick	Cornejo					7.0
Manuel	Cornejo					10.0
Juan	Cornejo					10.0
Miguel	Cornejo					10.0
Adrian	Cornejo					10.0
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
Stuart	MWH					

TOTAL HOURS: 58.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	7	Owned	
336 Excavator w/thumb	EXC041	10	Owned	
330 Excavator w/thumb	EXC035	8	Owned	
D6XP Dozer	DZR028	10	Owned	
D6XP Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	10	Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10	Owned	
TA 30 Off Road Truck	DPT068		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN005	8	Owned	
4" Water Pump	PP0037	3	Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075	2	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	3	Rental	

TOTAL HOURS: 58.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Sorting concrete in the pile and cutting rebar. Continued Basin excavation. Filling along the fence on the east side of the Marley pond. Cornejo crushing concrete. 9:00 Wester onsite to installing power lines. 3:30 US Machinery onsite for Hertz to weld plate on Rental excavator. 6:00 Left site. 130 Loads of dirt from the basin.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Roger drove to Benders, TX on rotation.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 10/2/2015
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Roger Roberts	OPS				n	
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	10.0
Zach Kilpatrick	LR				y	10.0
Lucas Brewer	LI				y	10.0
Andres (Art) Enriquez	OPS				y	10.0
Russel Hebert	OPS				y	10.0
Kevin Wilson	LI				y	10.0
Kenneth Alums	OPS				y	10.0
Richard (Yogi) Guagardo	OPS				y	10.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	10.0
Eric Jennings	LI				y	10.0

TOTAL RECON HOURS: 153.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					8.0
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Mick	Cornejo					8.0
Adrian	Cornejo					10.0
Todd	CB					

TOTAL HOURS: 56.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST150	11	Owned	
2000 gal water truck	WTK010	10	Owned	
336 Excavator w/ thumb	EXC041	10	Owned	
330 Excavator w/ thumb	EXC035	10	Owned	
D6XP Dozer	DZR028	10	Owned	
D6XP Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT064	10	Owned	
TA 30 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT066		Owned	
TA 30 Off Road Truck	DPT068		Owned	
TA 30 Off Road Truck	DPT070	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN005	8	Owned	
4" Water Pump	PP0037	3	Owned	
3" Water Pump	3430	5	Owned	
330 Excavator w/ Hammer	EXC075	8	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	10	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	5	Rental	

TOTAL HOURS: 56.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Sorting concrete in the pile and cutting rebar. Continued Basin excavation. Filling along the fence on the east side of the Marley pond. Cornejo crushing concrete. 8:00 Wester onsite to installing power lines. 10:30 Installed T in 4" line to give access for midway water pumping. 1:45 Southwind Oil delivered fuel and grease. 9:30 US Machinery onsite for Hertz to weld plate on Rental excavator. 6:00 Left site. 154 Loads of dirt from the basin. 2 loads concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Fittings from Best Supply. Southwind Oil delivered fuel and grease $2,846.74. Justino drove to Dallas, TX for rotation.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 10/25/10
DAY OF WEEK: Saturday
WEATHER/TEMP: Sunny 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	9.0
Tracy Holman	SSO				y	9.0
Roger Roberts	OPS				n	
Oscar Gonzalez	LR				y	8.0
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				y	8.0
Zach Kjellstrom	LR				y	8.0
Lucas Brewer	LI				y	8.0
Andres (Art) Enriquez	OPS				y	8.0
Russel Hebert	OPS				y	
Kevin Wilson	LI				y	8.0
Kenneth Alkins	OPS				y	8.0
Richard (Yogi) Guajardo	OPS				y	8.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	
Eric Jennings	LI				y	

TOTAL RECON HOURS: 82.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Manuel	Cornejo					8.0
Juan	Cornejo					8.0
Miguel	Cornejo					8.0
Mike	Cornejo					3.0
Adrian	Cornejo					8.0

TOTAL HOURS: 35.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		8	Personal	
Bite Truck	ST160	8	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/thumb	EXC001	8	Owned	
200 Excavator w/thumb	EXC025	8	Owned	
D6NP Dozer	DZR039	8	Owned	
D6NP Dozer	DZR040	8	Owned	
TA 30 Off Road Truck	DPT064	8	Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT066		Owned	
TA 30 Off Road Truck	DPT078	8	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009		Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430	8	Owned	
345 Excavator w/Hammer	EXC075		Owned	
87 Jab Shack	MobMan	8	Rental	
Gator	ATV014		Owned	
Welder/Generator	WLD013	1	Owned	
2" Water Pump	Herlz	3	Rental	
200 Excavator	Herlz		Rental	

TOTAL HOURS: 43.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued Basin excavation. Cornejo crushing concrete. Pumping water. 12:00 Replaced battery on DPT070. 5:00 Left site. 82 Loads of dirt from the basin.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/1/10
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 45

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Tracy Holman	SSO				y	10.0
Roger Roberts	OPS				n	
Oscar Gonzalez	LR				y	9.5
Justino Gonzalez	LR				y	9.5
Nicolas Gonzalez	LR				y	9.5
Zach Kjellstrom	LR				y	9.5
Lucas Brewer	LI				y	9.5
Andres (Art) Enriquez	OPS				y	9.5
Russel Hebert	OPS				y	
Kevin Wilson	LI				y	9.5
Kenneth Alkins	OPS				y	9.5
Richard (Yogi) Guajardo	OPS				y	9.5
Larry Nelson	CM				n	
Matthew Meade	LI				y	9.5
Eric Jennings	LI				y	9.5

TOTAL RECON HOURS: 134.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mike	Cornejo					8.0
Manuel	Cornejo					9.5
Juan	Cornejo					9.5
Miguel	Cornejo					9.5
Adrian	Cornejo					9.5

TOTAL HOURS: 45.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		10	Personal	
Bite Truck	ST160	10	Owned	
2000 gal water truck	WTK010	9.5	Owned	
336 Excavator w/thumb	EXC001	9.5	Owned	
200 Excavator w/thumb	EXC025	9.5	Owned	
D6NP Dozer	DZR039	9.5	Owned	
D6NP Dozer	DZR040	9.5	Owned	
TA 30 Off Road Truck	DPT064	9.5	Owned	
TA 30 Off Road Truck	DPT065	9.5	Owned	
TA 30 Off Road Truck	DPT066	9.5	Owned	
TA 30 Off Road Truck	DPT078	9.5	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	9	Owned	
Generator	GEN009	4	Owned	
4" Water Pump	PPD037	3	Owned	
2" Water Pump	3430	9.5	Owned	
345 Excavator w/Hammer	EXC075	3	Owned	
87 Jab Shack	MobMan	8	Rental	
Gator	ATV014	9.5	Owned	
Welder/Generator	WLD013		Owned	
2" Water Pump	Herlz	8	Rental	
200 Excavator	Herlz	8	Rental	

TOTAL HOURS: 43.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin excavation. Cleaning up by the metal pile. Loading boxes with scrap. Blocking concrete at the concrete pile and hammering up big pieces. 9:30 picked up Filters for equipment. 9:30 Weekly meeting. 4:30 Left site for lightning shutdown. 121 loads of soil from basin. 1 load of metal. 1 load of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Purchased filters for equipment from Bumper to Bumper $1,343.01.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/2/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPS				y	14.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kjellstrom	LR				y	12.0
Lucas Brewer	LI				y	12.0
Andres (Art) Enriquez	OPS				y	12.0
Russel Hebert	OPS				n	
Kevin Wilson	LI				y	7.5
Kenneth Alkins	OPS				y	12.0
Richard (Yogi) Guajardo	OPS				y	12.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	7.5
Eric Jennings	LI				y	7.5

TOTAL RECON HOURS: 159.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mike	Cornejo					8.0
Manuel	Cornejo					11.0
Miguel	Cornejo					11.0
Juan	Cornejo					11.0
Adrian	Cornejo					11.0

TOTAL HOURS: 65.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		13	Personal	
Bite Truck	ST160	13	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC001	12	Owned	
200 Excavator w/thumb	EXC025	8	Owned	
D6NP Dozer	DZR039	12	Owned	
D6NP Dozer	DZR040	12	Owned	
TA 30 Off Road Truck	DPT064	3	Owned	
TA 30 Off Road Truck	DPT065	3	Owned	
TA 30 Off Road Truck	DPT066	3	Owned	
TA 30 Off Road Truck	DPT078		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
Generator	GEN009		Owned	
4" Water Pump	PPD037		Owned	
2" Water Pump	3430	12	Owned	
345 Excavator w/Hammer	EXC075	4	Owned	
87 Jab Shack	MobMan	8	Rental	
Gator	ATV014	12	Owned	
Welder/Generator	WLD013	1	Owned	
2" Water Pump	Herlz	8	Rental	
200 Excavator	Herlz	12	Rental	

TOTAL HOURS: 93.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin excavation and placing on east slope. Cleaning up by the metal pile. Loaded scrap and hauled to scrap pile. Loading boxes with scrap. Stacking concrete at the concrete pile and hammering up big pieces. Pumped water from basin and sump. Serviced DPT066, DPT065,EXC025, and GEN009. Took ST160 to front end shop. Repaired 4" line that came apart. Repaired rear discharge cable on WTK010. Cornejo finished crushing in the first pile and moved to the second pile and were getting set up. 2:30 Sent Kevin, Eric, and Matthew home early. 3:30 Began hauling with trucks from the basin. 4:00 Start loading boxes with asphalt. Used 2 boxes and one excavator. 6:30 Finished loading boxes. 7:00 left site. 32 loads of soil from basin. 1 load of metal. 2 load of concrete. 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/3/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Roger Roberts	OPS				y	14.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Zach Kjellstrom	LR				y	12.0
Lucas Brewer	LI				y	12.0
Andres (Art) Enriquez	OPS				y	12.0
Russel Hebert	OPS				n	
Kevin Wilson	LI				y	12.0
Kenneth Alkins	OPS				y	12.0
Richard (Yogi) Guajardo	OPS				y	12.0
Larry Nelson	CM				n	
Matthew Meade	LI				y	7.5
Eric Jennings	LI				y	7.5

TOTAL RECON HOURS: 165.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mike	Cornejo					3.0
Miguel	Cornejo					11.0
Juan	Cornejo					11.0
Scott	Cornejo					
Manuel	Cornejo					11.0
Russ	Cornejo					
Martin	Cornejo					
Adrian	Cornejo					11.0
Juan	Cornejo					
Kenny	Cornejo					
Stuart	MAH					

TOTAL HOURS: 84.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		13	Personal	
Bite Truck	ST160	13	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/thumb	EXC001	12	Owned	
200 Excavator w/thumb	EXC025	7	Owned	
D6NP Dozer	DZR039	12	Owned	
D6NP Dozer	DZR040	12	Owned	
TA 30 Off Road Truck	DPT064	12	Owned	
TA 30 Off Road Truck	DPT065	12	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	
TA 30 Off Road Truck	DPT078	4	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
4" Water Pump	PPD037	2	Owned	
2" Water Pump	3430	6	Owned	
345 Excavator w/Hammer	EXC075		Owned	
87 Jab Shack	MobMan	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
2" Water Pump	Herlz	8	Rental	
200 Excavator	Herlz	12	Rental	

TOTAL HOURS: 84.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin excavation. Loaded trash and concrete in the path of the channel. Cornejo crushing concrete. 8:30 Surveyors arrived to topo lead areas and finish laying out channel and layout toe of basin that was excavated already. 9:30 Geonet arrived and we unloaded it then stacked it in the special stack on crosetles. 12:00 Began channel excavation. Began excavating 4" line trench along east side of basin. Moved line into trench and repaired where necessary. 2:30 Matthew and Eric left for rotation. 6:15 Surveyors left. 7:00 Left site for the day. 151 loads of basin soil. 2 loads of trash. 1 load of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 11/8/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Hallmark	SSO				y	3.0
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brewer	LI				y	12.0
Andres (Art) Enriquez	OPII				y	12.0
Russel Hebert	OPII				n	
Kevin Wilson	LI				y	12.0
Kenneth Allums	OPII				y	12.0
Richard (Yogi) Guajardo	OPII				y	12.0
Lenny Nelson	CM				n	
Matthew Meade	LI				n	
Eric Jennings	LI				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Mick	Cornejo					5.0
Manuel	Cornejo					11.5
Juan	Cornejo					11.5
Miguel	Cornejo					11.5
Adrian	Cornejo					11.5
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
Stuart	MMH					

TOTAL RECON HOURS: 138.0 — TOTAL HOURS: 94.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST150	13	Owned	
2000 gal water truck	WTK010	12	Owned	
306 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	9	Owned	
D6XR Dozer	DZR028	12	Owned	
D6XR Dozer	DZR049	12	Owned	
TA 30 Off Road Truck	DPT064	12	Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	12	Owned	
TA 30 Off Road Truck	DPT075		Owned	
TA 30 Off Road Truck	DPT076		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0057	3	Owned	
2" Water Pump	3430	8	Owned	
340 Excavator w/ Hammer	EXC075		Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
200 Excavator	Herbi	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued excavating basin. Pumped water. Continued channel excavated. Cornejo crushing concrete. 9:45 US Machinery arrived to fix plate on the rental excavator. Tracy left for rotation. 4:15 Serviced EXC076. US Machinery left and finished welding plate. 7:00 Left site. 2 loads of concrete. 140 loads of basin soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 11/9/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Tracy Hallmark	SSO				n	
Roger Roberts	OPII				y	14.0
Oscar Gonzalez	LII				y	12.0
Justino Gonzalez	LII				y	12.0
Nicolas Gonzalez	LII				y	12.0
Zach Kilpatrick	LII				y	12.0
Lucas Brewer	LI				y	12.0
Andres (Art) Enriquez	OPII				y	12.0
Russel Hebert	OPII				y	12.0
Kevin Wilson	LI				y	12.0
Kenneth Allums	OPII				y	12.0
Richard (Yogi) Guajardo	OPII				y	12.0
Lenny Nelson	CM				n	
Matthew Meade	LI				n	
Eric Jennings	LI				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
Manuel	Cornejo					11.0
Miguel	Cornejo					11.0
Juan	Cornejo					11.0
Mick	Cornejo					5.0
Adrian	Cornejo					11.0
Todd	CB					

TOTAL RECON HOURS: 147.0 — TOTAL HOURS: 62.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST150		Owned	
2000 gal water truck	WTK010		Owned	
306 Excavator w/ thumb	EXC081	12	Owned	
200 Excavator w/ thumb	EXC025	12	Owned	
D6XR Dozer	DZR028	12	Owned	
D6XR Dozer	DZR049	12	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	12	Owned	
TA 30 Off Road Truck	DPT066	12	Owned	
TA 30 Off Road Truck	DPT075	12	Owned	
TA 30 Off Road Truck	DPT076		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0057		Owned	
2" Water Pump	3430	12	Owned	
340 Excavator w/ Hammer	EXC075		Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	12	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
200 Excavator	Herbi	13	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued basin excavation. Pumping water. Excavating channel. Cornejo crushing concrete. Serviced EXC081 and DZR028. 9:00 Southwind delivered fuel. Brian, Doug, and Stuart onsite for visit. 7:00 Left site for the day. 132 loads of soil from the basin. 18 metal loads to the scrap pile. 1 load of concrete. 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $3,386.98.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 11/8/10
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Hallmark	SSO				y	
Roger Roberts	OPII				y	12.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Gonzalez	LII				y	10.5
					n	
Lucas Brewer	LI				y	10.5
Andres (Art) Enriquez	OPII				y	10.5
Russel Hebert	OPII				y	10.5
Kevin Wilson	LI				y	10.5
Kenneth Allums	OPII				y	9.5
Richard (Yogi) Guajardo	OPII				y	10.5
Lenny Nelson	CM				n	
Matthew Meade	LI				y	
Eric Jennings	LI				y	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Mick	Cornejo					5.0
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Adrian	Cornejo					10.0
	Cornejo					

TOTAL RECON HOURS: 117.0 — TOTAL HOURS: 68.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST150		Owned	
2000 gal water truck	WTK010	10.5	Owned	
306 Excavator w/ thumb	EXC081	10.5	Owned	
200 Excavator w/ thumb	EXC025	10.5	Owned	
D6XR Dozer	DZR028	10.5	Owned	
D6XR Dozer	DZR049	10.5	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	6	Owned	
TA 30 Off Road Truck	DPT075	3	Owned	
TA 30 Off Road Truck	DPT076		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0057	3	Owned	
2" Water Pump	3430	8	Owned	
340 Excavator w/ Hammer	EXC075	3	Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
200 Excavator	Herbi	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin excavation using the excavator to put the bottom on grade. Loading boxes with scrap. Excavating channel. Watering roads. Pumping water from basin. Cornejo crushing concrete. 8:30 Weekly meeting. 10:00 Excavating concrete in the channel with hammer and EXC025. 10:30 TCI tire out to fix flat on DPT066. 12:00 Completed concrete removal. Started loading metal and various concrete pieces. Laying out channel to the north. 4:00 Began removal of asphalt into a pile using rental 200. 5:30 Left site. 6 loads of soil from the channel. 4 loads of metal. 2 loads of concrete. Tracy, Matthew, and Eric flew back in from rotation.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

TCI Tire fixed flat on DPT066. Picked up parts for EXC081 from Foley Equipment. Picked up cover plate for DZR028 from Berry Tractor.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 11/9/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Hallmark	SSO				y	7.5
Roger Roberts	OPII				y	12.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Gonzalez	LII				y	10.5
					n	
Lucas Brewer	LI				y	10.5
Andres (Art) Enriquez	OPII				y	10.5
Russel Hebert	OPII				y	10.5
Kevin Wilson	LI				y	10.5
Kenneth Allums	OPII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Lenny Nelson	CM				n	
Matthew Meade	LI				y	10.5
Eric Jennings	LI				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Mick	Cornejo					5.0
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Adrian	Cornejo					10.0
	Cornejo					

TOTAL RECON HOURS: 147.0 — TOTAL HOURS: 84.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST150	7.5	Owned	
2000 gal water truck	WTK010	10.5	Owned	
306 Excavator w/ thumb	EXC081	10.5	Owned	
200 Excavator w/ thumb	EXC025	10.5	Owned	
D6XR Dozer	DZR028	10.5	Owned	
D6XR Dozer	DZR049	10.5	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10.5	Owned	
TA 30 Off Road Truck	DPT075		Owned	
TA 30 Off Road Truck	DPT076	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0057	3	Owned	
2" Water Pump	3430	8	Owned	
340 Excavator w/ Hammer	EXC075		Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	4	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
200 Excavator	Herbi	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin excavation. Pumping water. Loading basin soil and hauling to the field. Cornejo crushing concrete. Excavating asphalt from channel area. Loaded scrap boxes. 9:30 Stuart onsite to look at asphalt. We have to remove it and we will find out if it can be recycled or put it in roll off boxes. Discussed lowering the channel will get back with me. Stopped channel excavation until further direction is received by MMH. 11:00 Worked on ATV014. Replaced left rear axle and park brake. 3:00 Removed remaining 8 power poles. 4:00 Mick with Cornejo came and said that he can't make the D50 of 3.5" or the D50 of 6". 5:30 Left site. 71 loads of basin soil. 3 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/1/016
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Tracy Holmes	SSO				y	11.5
Roger Roberts	OPII				y	12.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
					n	
Lucas Brewer	LI				y	10.5
Antonio (Art) Rodriguez	OPII				y	10.5
Russel Hebert	OPII				y	10.5
Kevin Wilson	LI				y	10.5
Kenneth Alturna	OPII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Lenny Nelson	CM				n	
Matthew Meade	LI				y	10.5
Eric Jennings	LI				y	10.5

TOTAL RECON HOURS: 151.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Mick	Cornejo					5.0
Miguel	Cornejo					10.5
Juan	Cornejo					10.5
Scott	Cornejo					
Manuel	Cornejo					10.5
Russ	Cornejo					
Martin	Cornejo					
Adrian	Cornejo					10.5
Juan	Cornejo					
Kenny	Cornejo					
Stuart	MMH					

TOTAL HOURS: 86.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WTK010	10.5	Owned	
336 Excavator w/ thumb	EXC061	10.5	Owned	
325 Excavator w/ thumb	EXC025	10.5	Owned	
D61P Dozer	DZR026	10.5	Owned	
D65P Dozer	DZR049	10.5	Owned	
TA 30 Off Road Truck	DPT064	8	Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066	10.5	Owned	
TA 30 Off Road Truck	DPT078		Owned	
TA 30 Off Road Truck	DPT079	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0037	3	Owned	
3" Water Pump	3430	6	Owned	
330 Excavator w/ Hammer	EXC075	10.5	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	6	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	10.5	Rental	

TOTAL HOURS: 86.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued basin excavtion. Cornejo crushing concrete. Hammering concrete in the pile. Hauling concrete to the pile. 10:00 Continued channel excavation. 4:00 Excavated trench from basin to the sump. 5:30 Left site. 16 loads of concrete. 20 loads of soil from the channel. 8 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $2942.25.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/1/016
DAY OF WEEK: Thursday
WEATHER/TEMP: Rainy 47

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.5
Tracy Holmes	SSO				y	7.0
Roger Roberts	OPII				y	7.0
Oscar Gonzalez	LR				y	8.0
Justino Gonzalez	LR				y	8.0
Nicolas Gonzalez	LR				y	8.5
					n	
Lucas Brewer	LI				y	8.0
Antonio (Art) Rodriguez	OPII				y	8.0
Russel Hebert	OPII				y	8.0
Kevin Wilson	LI				y	8.0
Kenneth Alturna	OPII				y	8.0
Richard (Yogi) Guajardo	OPII				y	
Lenny Nelson	CM				n	
Matthew Meade	LI				y	8.0
Eric Jennings	LI				y	8.0

TOTAL RECON HOURS: 85.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					7.0
Mick	Cornejo					5.0
Manuel	Cornejo					10.0
Juan	Cornejo					10.0
Miguel	Cornejo					10.0
Adrian	Cornejo					10.0
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
Stuart	MMH					

TOTAL HOURS: 52.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Site Truck	ST180	7	Owned	
2000 gal water truck	WTK010	2	Owned	
336 Excavator w/ thumb	EXC061	8	Owned	
325 Excavator w/ thumb	EXC025	2	Owned	
D61P Dozer	DZR026	4	Owned	
D65P Dozer	DZR049	6	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT066	6	Owned	
TA 30 Off Road Truck	DPT078	6	Owned	
TA 30 Off Road Truck	DPT079	6	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	6	Owned	
4" Water Pump	PP0037	2	Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075	2	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	6	Owned	
Welder/Generator	WLD013		Owned	
6" Water Pump	Hertz	6	Rental	
330 Excavator	Hertz	8	Rental	

TOTAL HOURS: 52.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Finished excavating trench to sump and reset 6" pump. Continued excavating basin. Continued excavating channel. Cornejo crushing concrete.11:30 Began to rain. 1:00 Rain out. 15 loads from channel. 20 loads from basin. 1 metal load.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/1/016
DAY OF WEEK: Friday
WEATHER/TEMP: Rain 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Tracy Holmes	SSO				n	
Roger Roberts	OPII				y	9.0
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	
					n	
Lucas Brewer	LI				y	
Antonio (Art) Rodriguez	OPII				y	
Russel Hebert	OPII				y	
Kevin Wilson	LI				y	
Kenneth Alturna	OPII				y	
Richard (Yogi) Guajardo	OPII				y	
Lenny Nelson	CM				n	
Matthew Meade	LI				y	
Eric Jennings	LI				y	

TOTAL RECON HOURS: 20.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					8.0
Manuel	Cornejo					10.5
Miguel	Cornejo					10.5
Juan	Cornejo					10.5
Mick	Cornejo					3.0
Adrian	Cornejo					10.5
Todd	CE					

TOTAL HOURS: 51.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180		Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC061		Owned	
325 Excavator w/ thumb	EXC025		Owned	
D61P Dozer	DZR026		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT066		Owned	
TA 30 Off Road Truck	DPT078		Owned	
TA 30 Off Road Truck	DPT079		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054		Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMin		Rental	
Gator	ATV014		Owned	
Welder/Generator	WLD013		Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz		Rental	

TOTAL HOURS: 51.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Cornejo crushing concrete. Picked up new pond strainer from Best Supply for 6" pump. Pumped water from basin. 5:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 11/1/016
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 45

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Tracy Holmes	SSO				y	11.5
Kenneth Alturna	OPII				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Lucas Brewer	LI				y	10.5
Russel Hebert	OPII				y	10.5
Kevin Wilson	LI				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 107.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mick	Cornejo					5.0
Manuel	Cornejo					10.5
Juan	Cornejo					10.5
Miguel	Cornejo					10.5
Adrian	Cornejo					10.5

TOTAL HOURS: 47.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WTK010	2	Owned	
336 Excavator w/ thumb	EXC061	10.5	Owned	
325 Excavator w/ thumb	EXC025	10.5	Owned	
D61P Dozer	DZR026	10.5	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	7	Owned	
TA 30 Off Road Truck	DPT066	7	Owned	
TA 30 Off Road Truck	DPT078		Owned	
TA 30 Off Road Truck	DPT079	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0037	1	Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075	6	Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Generator	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz		Rental	

TOTAL HOURS: 47.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued basin excavation. Moved concrete from the scale to the pile to break and cut rebar. Pumping water from basin. Cutting rebar. Unable to excavate in the basin because it was too wet. Surveyors out to relayout channel. 1:00 Began channel excavation. 4:00 Looked at rock that Cornejo was crushing to be the D50 of 3.5". Stuart looked at it also. 5:30 Left site. 31 loads of channel soil. 5 loads of concrete. 4 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 11/1/910
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alburto	OPII				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Lucas Brewer	LI				y	10.5
Russel Hebert	OPII				y	10.5
Kevin Wilson	LI				y	10.5
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mick	Cornejo					8.0
Manuel	Cornejo					10.5
Miguel	Cornejo					10.5
Juan	Cornejo					10.5
Adrian	Cornejo					10.5
	Cornejo					

TOTAL RECON HOURS: 107.0

TOTAL HOURS: 48.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST160	11.5	Owned	
2000 gal water truck	WT6010		Owned	
336 Excavator w/thumb	EXC081	4.5	Owned	
200 Excavator w/thumb	EXC025	8	Owned	
D6NP Dozer	DZR024	10.5	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065	10.5	Owned	
TA 30 Off Road Truck	OPT066	10.5	Owned	
TA 30 Off Road Truck	OPT075		Owned	
TA 30 Off Road Truck	OPT070	3	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
4" Water Pump	PP0057		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC072	2.5	Owned	
42" Job Shack	MobMan	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Cutting rebar. Excavating top portion of basin slope above liner. Loading scrap boxes. 10:00 Foley Equipment onsite to repair EXC081. Hydraulic leak. 1:00 Foley finished EXC081. 2:30 Delivery of 8" slotted HDPE. Haul truck arrived to pick up DZR049. 3:00 Started excavating channel. 8:30 Left site. 34 loads of soil. 1 load of gravel. 3 loads of concrete. 1 load of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 11/1/910
DAY OF WEEK: Wednesday
WEATHER/TEMP: Rain 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Tracy Holman	SSO				y	9.0
Kenneth Alburto	OPII				y	9.0
Oscar Gonzalez	LR				y	9.0
Justino Gonzalez	LR				y	9.0
Nicolas Gonzalez	LR				y	9.0
Richard (Yogi) Guajardo	OPII				y	9.0
Lucas Brewer	LI				y	9.0
Russel Hebert	OPII				y	7.5
Kevin Wilson	LI				y	9.0
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mick	Cornejo					5.0
Miguel	Cornejo					8.0
Juan	Cornejo					8.0
Scott	Cornejo					
Manuel	Cornejo					8.0
Russ	Cornejo					
Merlin	Cornejo					
Adrian	Cornejo					8.0
Juan	Cornejo					
Kenny	Cornejo					
Stuart	MWH					

TOTAL RECON HOURS: 80.0

TOTAL HOURS: 57.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9	Personal	
Site Truck	ST160	9	Owned	
2000 gal water truck	WT6010		Owned	
336 Excavator w/thumb	EXC081	8	Owned	
200 Excavator w/thumb	EXC025	3	Owned	
D6NP Dozer	DZR024	8	Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT066	8	Owned	
TA 30 Off Road Truck	OPT075		Owned	
TA 30 Off Road Truck	OPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
4" Water Pump	PP0057		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC072		Owned	
42" Job Shack	MobMan	8	Rental	
Gator	ATV014	1	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued channel excavation. Unloaded FML liner from truck and put in special stack. 9:30 Removed hammer from EXC075 and put on bucket. 12:30 Loaded scrap boxes. 3:00 Left site. Rain out. 33 loads of soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Rain out.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $2,862.19.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 11/1/910
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 28

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Tracy Holman	SSO				y	8.0
Kenneth Alburto	OPII				y	
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	
Richard (Yogi) Guajardo	OPII				y	
Lucas Brewer	LI				y	4.5
Kevin Wilson	OPII				y	
Russel Hebert	OPII				y	
Kevin Wilson	LI				y	
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Mick	Cornejo					3.0
Manuel	Cornejo					10.5
Miguel	Cornejo					10.5
Juan	Cornejo					10.5
Adrian	Cornejo					10.5
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
Stuart	MWH					

TOTAL RECON HOURS: 30.5

TOTAL HOURS: 45.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
Site Truck	ST160	8	Owned	
2000 gal water truck	WT6010		Owned	
336 Excavator w/thumb	EXC081		Owned	
200 Excavator w/thumb	EXC025		Owned	
D6NP Dozer	DZR024		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT066		Owned	
TA 30 Off Road Truck	OPT075		Owned	
TA 30 Off Road Truck	OPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
4" Water Pump	PP0057		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC072	8.5	Owned	
42" Job Shack	MobMan	8	Rental	
Gator	ATV014	1	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Cornejo screening gravel. 8:15 VLP arrived to put top roller on EXC025. 9:30 Lucas arrived to clean up EXC025 for shippment to Houston. Load hammer. Pumping water. 9:00 VLP arrived w/ wrecker to pick up hammer. 10:30 Surveyors arived to do some layout work in the basin. 11:00 Cornejo shipped out thier excavator. 1:00 Lucas left site. 2:30 Surveyors left site. 8:55 Joel w/ ElectriCraft onsite to work on aircompressor. 9:30 Left Site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0430
DATE: 11/1/910
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alburto	OPII				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Lucas Brewer	LI				y	10.5
Kevin Wilson	OPII				y	10.5
Russel Hebert	OPII				y	10.5
Kevin Wilson	LI				y	10.5
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
Manuel	Cornejo					10.0
Miguel	Cornejo					10.0
Juan	Cornejo					10.0
Mick	Cornejo					
Adrian	Cornejo					
Todd	CB					

TOTAL RECON HOURS: 117.5

TOTAL HOURS: 30.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST160	11.5	Owned	
2000 gal water truck	WT6010	2	Owned	
336 Excavator w/thumb	EXC081	10.5	Owned	
200 Excavator w/thumb	EXC025		Owned	
D6NP Dozer	DZR024		Owned	
D65P Dozer	DZR049		Owned	
TA 30 Off Road Truck	OPT064		Owned	
TA 30 Off Road Truck	OPT065	10.5	Owned	
TA 30 Off Road Truck	OPT066	10.5	Owned	
TA 30 Off Road Truck	OPT075		Owned	
TA 30 Off Road Truck	OPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON004	8	Owned	
4" Water Pump	PP0057	1	Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC072	8.5	Owned	
42" Job Shack	MobMan	8	Rental	
Gator	ATV014	1	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Herbi	8	Rental	
330 Excavator	Herbi	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin excavation. Pumped water. Washed EXC025 w/ water truck. Had to double handle the soil from the basin because the ground was too wet to get the trucks in. Cornejo screening material. Loading scrap boxes. 11:37 MWH out to sample roll off containers of asphalt. 4:00 Best Supply delivered some materials. 5:30 Left site. 60 loads from the basin.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 11/20/10
DAY OF WEEK: Saturday
WEATHER/TEMP: Sunny 50

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Kenneth Alturna	OPII				y	10.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LIII				y	10.0
Nicolas Gonzalez	LIII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Lucas Brewer	LI				y	10.0
Kevin Wilson	OPII				y	10.0
Russel Hebert	OPII				y	10.0
Kevin Wilson	LI				y	10.0
Leroy Nelson	CM				n	

TOTAL RECON HOURS: 112.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Manuel	Cornejo					5.5
Juan	Cornejo					5.5
Miguel	Cornejo					
Mick	Cornejo					
Adrian	Cornejo					

TOTAL HOURS: 22.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	11	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC081	10	Owned	
330 Excavator w/thumb	EXC025		Owned	
DR1P Dozer	DZR028	10	Owned	
DR5P Dozer	DZR049		Owned	
TA 35 Off Road Truck	DPT064		Owned	
TA 35 Off Road Truck	DPT065	10	Owned	
TA 30 Off Road Truck	DPT068	10	Owned	
TA 20 Off Road Truck	DPT069	10	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	3	Owned	
350 Excavator w/ Hammer	EXC075	10	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	6	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Continued basin excavation working on the slopes with both excavators and the dozer spreading the material. Loading debris and hauling to the debris area. Found rebar in the ground in the process area and dug down and cut it off. Conejo screening piles. 2:30 Stuart onsite. 5:00 Left site. 60 loads of soil from the basin. 1 trash. 2 metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 11/21/10
DAY OF WEEK: Sunday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Kenneth Alturna	OPII				y	10.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LIII				y	10.0
Nicolas Gonzalez	LIII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Lucas Brewer	LI				y	10.0
Kevin Wilson	LI				y	10.0
Russel Hebert	OPII				y	10.0
Leroy Nelson	CM				n	

TOTAL RECON HOURS: 102.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0

TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	11	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC081	10	Owned	
330 Excavator w/thumb	EXC025		Owned	
DR1P Dozer	DZR028	10	Owned	
DR5P Dozer	DZR049		Owned	
TA 35 Off Road Truck	DPT064	8	Owned	
TA 35 Off Road Truck	DPT065	4	Owned	
TA 30 Off Road Truck	DPT068	10	Owned	
TA 20 Off Road Truck	DPT069	10	Owned	
TA 30 Off Road Truck	DPT070	10	Owned	
TA 30 Off Road Truck	DPT070	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	10	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014	3	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued excavating slopes on basin. DZR028 has transmission leak. Loading debris from around the site with rental 200 and 1 truck. 1:00 Brake line blew on DPT064. 8:00 Left site. 60 loads of soil from the basin. 5 loads of metal. 7 loads of rock and concrete. 3 loads of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 11/22/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alturna	OPII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Kevin Wilson	LI				y	
Russel Hebert	OPII				y	10.5
Leroy Nelson	CM				n	

TOTAL RECON HOURS: 99.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Mick	Cornejo					7.0
Manuel	Cornejo					10.5
Miguel	Cornejo					
Juan	Cornejo					10.0
Adrian	Cornejo					

TOTAL HOURS: 34.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC081	10.5	Owned	
DR1P Dozer	DZR028	10.5	Owned	
TA 35 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065	8	Owned	
TA 30 Off Road Truck	DPT068	8	Owned	
TA 30 Off Road Truck	DPT070		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	2	Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014		Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued trench excavation in the bottom of basin. Grading areas. 8:30 Moved 6" pump. 11:30 Began loading wetlands material for the bottom of trench. 11:40 Surveyors arrived to takeoff stockpiles of crushed concrete. 2:30 Hauling soil from basin trench to MPA grading areas. 4:00 Stuart came onsite to look at basin trench. 5:30 Left site. 7 loads of wetlands gravel. 6 loads of soil from the basin trench.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 11/23/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cold 17

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Kenneth Alturna	OPII				y	10.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LIII				y	10.0
Nicolas Gonzalez	LIII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Kevin Wilson	LI				y	
Russel Hebert	OPII				y	10.0
Leroy Nelson	CM				n	

TOTAL RECON HOURS: 93.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Mick	Cornejo					
Miguel	Cornejo					
Juan	Cornejo					10.0
Scott	Cornejo					
Manuel	Cornejo					10.0
Russ	Cornejo					
Martin	Cornejo					
Adrian	Cornejo					
Juan	Cornejo					
Kenny	Cornejo					
Stuart	MMH					

TOTAL HOURS: 31.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST180	11	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC081	10	Owned	
DR1P Dozer	DZR028	10	Owned	
TA 30 Off Road Truck	DPT064		Owned	
TA 30 Off Road Truck	DPT065		Owned	
TA 30 Off Road Truck	DPT068	10	Owned	
TA 30 Off Road Truck	DPT069	10	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMan	8	Rental	
Gator	ATV014		Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued basin trench excavation and basin grading. Loading and hauling trench excavation spoils to the MPA. Cornejo screening materials. 2:30 Stopped trench excavation in basin due to overexcavation of 6" to 7' to get to bedrock. Talked w/ Stuart about it and he will send RFI about it. Used both excavators and loaded soil from trench and hauled to the MPA. 5:00 Left site. 42 loads of soil from basin trench. 9 loads of wetlands gravel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Over excavation of basin trench to 6' to 7' below plan elevations.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/2/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 35

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Aburns	OPR				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPR				y	10.5
Kevin Wilson	LI				y	10.5
Russell Hebert	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	96.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Mick	Cornejo					2.0
Manuel	Cornejo					10.5
Juan	Cornejo					10.5
Miguel	Cornejo					
Adrian	Cornejo					
Bob	Cornejo					
Gene	El Paso					
Todd	El Paso					
Brian	El Paso					
Russ	Cornejo					
Rick Meyers	RECON					
Richard	ACM					
Stuart	MWH					
					TOTAL HOURS	34.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST190	11.5	Owned	
2000 gal water truck	WTK010	8	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61P Dozer	DZR020	10.5	Owned	
TA 30 Off Road Truck	OPT084		Owned	
TA 30 Off Road Truck	OPT085		Owned	
TA 30 Off Road Truck	OPT086	10.5	Owned	
TA 30 Off Road Truck	OPT076	10.5	Owned	
TA 30 Off Road Truck	OPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON004	8	Owned	
4" Water Pump	PPD037	3	Owned	
3" Water Pump	3430	8	Owned	
385 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued basin trench excavation. Loading soil into truck with 200 excavator and hauling to the MPA. Watering roads. Cornejo screening rock. 8:30 Weekly meeting. 10:30 Put blind flange on pipe in the process sewer sump. Still leaking took back off and had to clean surface more. Put back on and slowed to a drip. 6:00 left site. 11 loads of rock in the basin trench. 22 loads of trench soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/3/10
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Aburns	OPR				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPR				y	10.5
Kevin Wilson	LI				y	10.5
Russell Hebert	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	96.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Manuel	Cornejo					8.0
Miguel	Cornejo					8.0
Juan	Cornejo					8.0
Mick	Cornejo					8.0
Adrian	Cornejo					8.0
Todd	CB					
					TOTAL HOURS	[illegible]

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST100	11.5	Owned	
2000 gal water truck	WTK010	4	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61P Dozer	DZR020	10.5	Owned	
TA 30 Off Road Truck	OPT084		Owned	
TA 30 Off Road Truck	OPT086	8.5	Owned	
TA 30 Off Road Truck	OPT096	10.5	Owned	
TA 30 Off Road Truck	OPT076	10.5	Owned	
TA 30 Off Road Truck	OPT073		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON004	8	Owned	
4" Water Pump	PPD037	2	Owned	
3" Water Pump	3430		Owned	
385 Excavator w/ Hammer	EXC075	1	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	2	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Cornejo mixing D50 of 3.5 and breaking down screen. Excavating lower concrete wall of the down chute. Stopped excavation because of conversation w/ Stuart from MWH that they might take out the wall. 10:00 Best Supply delivered more 12" pipe, glue, and cleaner. Excavated clean out trench for 6" HDPE. 10:30 Stuart out to talk about concrete wall and look at the basin. 12:00 Laying out 6" HDPE so it will be workable when it is cold. 12:53 Talked w/ Best Supply about manhole and it will be delivered on 12-7-10. 2:30 Cornejo haul trucks arrived to pick up screen and loader. 3:00 Placed gravel in the south end of basin trench to toe of slope. 4:00 Cornejo offsite. 5:30 Left site for the day. 31 loads of soil from the basin trench. 2 loads wetlands gravel in the bottom of trench. 4 loads of rock. 1 load of metal. 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $2,960.74.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/4/10
DAY OF WEEK: Saturday
WEATHER/TEMP: Sunny 35

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	
Kenneth Aburns	OPR				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPR				y	10.5
Kevin Wilson	LI				n	
Russell Hebert	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	74.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
					TOTAL HOURS	11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST100		Owned	
2000 gal water truck	WTK010	2	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
D61P Dozer	DZR020	10	Owned	
TA 30 Off Road Truck	OPT084		Owned	
TA 30 Off Road Truck	OPT085	8	Owned	
TA 30 Off Road Truck	OPT086		Owned	
TA 30 Off Road Truck	OPT076	10	Owned	
TA 30 Off Road Truck	OPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON004	8	Owned	
4" Water Pump	PPD037	1	Owned	
3" Water Pump	3430		Owned	
385 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014		Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Excavating south basin trench for 6" pipe. And sumps. Grading areas. Hauling wetland material for basin trench. 6:00 Left site. 44 loads of soil from basin trench. 4 loads of gravel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/6/10
DAY OF WEEK: Monday
WEATHER/TEMP: Cold 13

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Aburns	OPR				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Richard (Yogi) Guajardo	OPR				y	10.5
Russell Hebert	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
					TOTAL HOURS	11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST140	11.5	Owned	
2000 gal water truck	WTK010	4	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61P Dozer	DZR020	10.5	Owned	
TA 30 Off Road Truck	OPT085	8.5	Owned	
TA 30 Off Road Truck	OPT086		Owned	
TA 30 Off Road Truck	OPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON004	8	Owned	
4" Water Pump	PPD037	1	Owned	
3" Water Pump	3430		Owned	
385 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued removing soil on east side of pond. Pumping water. Excavated trench for footing on downchute. Grading areas. 8:30 Weekly meeting. 10:00 R-Quip delivered mini excavator. 12:00 Excavated small footing wall at the top of downchute. 1:00 Placed 6" HDPE in clean out trench on the north end of the basin and backfilled. 2:00 Began placing 6" pipe in the trench. 3:00 Began placing wetlands material on 6" HDPE. 5:30 Left site. 16 loads of soil from the basin. 8 loads of wetlands material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

R-Quip delivered mini excavator. Best supply delivered 12" couplings and cap.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/7/19
DAY OF WEEK: Tuesday
WEATHER/TEMP: Windy 27

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alturra	OPII				y	10.5
Oscar Gonzalez	Lift				y	10.5
Justino Gonzalez	Lift				y	10.5
Nicolas Gonzalez	Lift				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Doug Mick	MWH					6.0
Matt Warner	MWH					6.0
Stuart Klaus	MWH					3.0
Rick Meyers	RECON					5.0

TOTAL HOURS: 31.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WTK010	2	Owned	
336 Excavator w/thumb	EXC081	9	Owned	
D61P Dozer	DZR028	10.5	Owned	
TA 30 Off Road Truck	DPT085	8	Owned	
TA 30 Off Road Truck	DPT086	8	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0037	1	Owned	
3" Water Pump	3430		Owned	
390 Excavator w/ Hammer	EXC075	3	Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	1	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	10.5	Rental	

TOTAL HOURS: 77.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 EXC081 has final drive leaking. Called Cat and filed with oil. 8:30 Manholes arrived and had to off load them. Surveyors arrived to layout footings. Excavating remaining footing rock. 11:30 R-Gulp arrived to pick up rental mini excavator. 12:30 Rick arrived onsite. 3:15 Foley Cat arrived to take off final drive of EXC081 and take to the shop for repairs. 5:30 Leave site. 37 loads of gravel. 2 loads of rocks.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Manholes delivered by Best Supply.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/8/19
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cold 17

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alturra	OPII				y	10.5
Oscar Gonzalez	Lift				y	10.5
Justino Gonzalez	Lift				y	10.5
Nicolas Gonzalez	Lift				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Andrew	Beran					9.5
Miguel	Beran					9.5
Armando	Beran					9.5
Moises	Beran					9.5
Roberto	Beran					9.5
Rick Meyers	RECON					11.5
Johnny O	CMC					1.0
David	Beran					3.0
Brian	El Paso					2.0
Stuart	MWH					1.0

TOTAL HOURS: 77.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC081		Owned	
D61P Dozer	DZR028	10.5	Owned	
TA 30 Off Road Truck	DPT085	8	Owned	
TA 30 Off Road Truck	DPT086	8	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430	8	Owned	
390 Excavator w/ Hammer	EXC075		Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin filling east slope wtlnes. Pumped out water for concrete crew. Beran concrete here and went though HASP and site orientation. Begin forming upper wall. 9:00 6" HDPE arrived. 1:45 Belt truck arrived for the concrete. 3:00 Concrete arrived for the pour. 3:30 Started placing last 100' of slotted HDPE in the trench. 4:30 Concrete crew left site. 5:30 Leave site for the day. 33 loads of lines. 11 loads of gravel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $1,745.51.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/9/19
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 30

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alturra	OPII				y	10.5
Oscar Gonzalez	Lift				y	10.5
Justino Gonzalez	Lift				y	10.5
Nicolas Gonzalez	Lift				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
Rick Meyers	RECON					11.5
Armando	Beran					8.0
Miguel	Beran					8.0
Moises	Beran					8.0
Roberto	Beran					8.0
Brian	El Paso					5.0
Brian	CB					6.0
Todd	CB					8.0
Doug	MWH					1.0
Stuart	MWH					9.0
Chris	Beran					2.0
Larry	CMC					0.5
John	Foley					2.5

TOTAL HOURS: 75.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WTK010	1	Owned	
336 Excavator w/thumb	EXC081		Owned	
D61P Dozer	DZR028	10.5	Owned	
TA 30 Off Road Truck	DPT085	1	Owned	
TA 30 Off Road Truck	DPT086		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430	2	Owned	
390 Excavator w/ Hammer	EXC075	4	Owned	
42" Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	10.5	Rental	

TOTAL HOURS: 75.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading bottom of basin. Moved stockpile by sumps for furthur excavation in the sump. Beran Concrete onsite to pour upper wall. 8:00 Surveyors arrived to tops east slope and stake west slope. 11:15 Pump truck arrived. Hammering and excavating sump hole. 12:00 Concrete arrived. 1:05 Finished concrete pour. 2:00 Started assembling 12" riser pipe. 3:20 Foley arrived to repair EXC081. 5:30 Left site. 1 load of wetlands gravel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/10/19
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	13.0
Tracy Holman	SSO				y	13.0
Kenneth Alturra	OPII				y	12.0
Oscar Gonzalez	Lift				y	12.0
Justino Gonzalez	Lift				y	12.0
Nicolas Gonzalez	Lift				y	12.0
Richard (Yogi) Guajardo	OPII				y	12.0
Russell Hebert	OPII				y	12.0
Larry Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					13.0
Rick Meyers	RECON					13.0
Stuart	MWH					4.0

TOTAL HOURS: 30.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
Site Truck	ST180	13	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/thumb	EXC081	12	Owned	
D61P Dozer	DZR028	12	Owned	
TA 30 Off Road Truck	DPT085		Owned	
TA 30 Off Road Truck	DPT086		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430	8	Owned	
390 Excavator w/ Hammer	EXC075	8	Owned	
42" Job Shack	MobMin		Rental	
Gator	ATV014		Owned	
Welder/Greaser	WLD013		Owned	
6" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Excavating back slope in sump area to prepare for rock breaking and setting sump and pumping water. Grading west slopes. Beran wrecked forms off of concrete wall. 1:00 Begin hammering rock for sump. 2:00 Hydraulic line on hammer blew hose off and repair. 3:30 Fixed hammer. 4:45 Grout from CMC arrived. 5:00 Finished hammering rock and set 12" pipe. 5:00 Start pouring grout. 7:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

18 cy of grout from CMC.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/11/10
DAY OF WEEK: Saturday
WEATHER/TEMP: Windy Cold

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alums	OPII				y	10.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Gonzalez	LII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
					TOTAL HOURS	11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST160	11.5	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61P Dozer	DZR026	8	Owned	
TA 30 Off Road Truck	DPT065	5	Owned	
TA 30 Off Road Truck	DPT066	5	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	4	Owned	
360 Excavator w/ Hammer	EXC075	8	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	4	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Hooked up 8" HDPE to 12" stand pipe. 10:30 Begin backfilling concrete wall on north end. 1:30 Set manhole bottom and grouted 4" line. 2:30 Set second ring on manhole. Backfilled for 12" line. 3:30 Installed 12" storm drain line. 5:30 Left site. 15 loads of wetlands material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/12/10
DAY OF WEEK: Sunday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alums	OPII				y	10.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Gonzalez	LII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
					TOTAL HOURS	11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST160	11.5	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61P Dozer	DZR026	10.5	Owned	
TA 30 Off Road Truck	DPT065	2	Owned	
TA 30 Off Road Truck	DPT066	2	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Backfilled 12" storm drain line. Grading north end of basin. Backfilling south end of basin to build slope. Pumping water. Picking up metal around site. Cleaned office. 5:30 Left site. 3 loads of wetlands material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/14/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Windy 27

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alums	OPII				y	10.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Gonzalez	LII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Somsack	Hallaton					9.5
Justin	Hallaton					9.5
Moon	Hallaton					9.5
Micheal	Hallaton					9.5
Outhay	Hallaton					9.5
Antonio	Hallaton					9.5
Khanta	Hallaton					9.5
Khambuam	Hallaton					9.5
Norberto	Hallaton					9.5
Lane	Hallaton					9.5
Antolin	Hallaton					9.5
Lorenzo	Hallaton					9.5
Nick	Hallaton					9.5
Stuart	MWH					9.5
					TOTAL HOURS	144.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST160	11.5	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61P Dozer	DZR026	10.5	Owned	
TA 30 Off Road Truck	DPT065	2	Owned	
TA 30 Off Road Truck	DPT066	1	Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	3	Owned	
360 Excavator w/ Hammer	EXC075	10.5	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued liner trench. Working on south slope. Liner company laying liner and geonet. Grading areas. 1:00 Set next mahole riser. Set up 3" pump into 12" sump. Backfilling sump excavation. 4:30 Liner crew left for the day. 5:30 Left site. 7 loads of wetlands material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/15/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cold 17

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Tracy Holman	SSO				y	11.0
Kenneth Alums	OPII				y	10.0
Oscar Gonzalez	LII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Russell Hebert	OPII				y	10.0
Larry Nelson	CM				n	
					TOTAL RECON HOURS	82.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0
Somsack	Hallaton					10.0
Justin	Hallaton					10.0
Moon	Hallaton					10.0
Micheal	Hallaton					10.0
Outhay	Hallaton					10.0
Antonio	Hallaton					10.0
Khanta	Hallaton					10.0
Khambuam	Hallaton					10.0
Norberto	Hallaton					10.0
Lane	Hallaton					10.0
Antolin	Hallaton					10.0
Lorenzo	Hallaton					10.0
Nick	Hallaton					10.0
Stuart	MWH					8.0
					TOTAL HOURS	149.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Site Truck	ST160	11	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
D61P Dozer	DZR026	10	Owned	
TA 30 Off Road Truck	DPT065	1	Owned	
TA 30 Off Road Truck	DPT066		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	8	Owned	
360 Excavator w/ Hammer	EXC075	10	Owned	
40' Job Shack	MobMini	8	Rental	
Gator	ATV014	8	Owned	
Welder/Greaser	WLD013	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meetings. 7:30 Continued slope on southend. Backfilling around sumps. Grading areas. Liner installation. Liner crew short geonet and liner. 9:20 Surveyors arrived to shoot in south slope and topo. 12:00 Completed south slope. 2:30 Completed liner trench. DPT064 loaded and hauled out. 6:00 Left site. 1 load of wetlands material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind oil delivered fuel $3,092.62.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 12/1/010
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 35

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alburns	OPII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Lanny Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
DR1P Dozer	DZR028	10.5	Owned	
TA 30 Off Road Truck	DPT085		Owned	
TA 30 Off Road Truck	DPT059		Owned	
TA 30 Off Road Truck	DPT070	9.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS054	8	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430	8	Owned	
350 Excavator w/ Hammer	EXC073		Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	8	Owned	
Vibrator/Greaser	WL0013	1	Owned	
2" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	8	Rental	

TOTAL HOURS: 88.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Started liner trench backfill. Grading areas. Trimming trees for new fence installation. 8:00 Installing 4" valve and backflow preventor. Got VOC reading on air monitor had to pick up fan to put fresh air in the hole. 12:00 Began channel excavation. 1:00 Finished backfilling the liner trench that was completed. Backfilling more around sumps. 2:00 Liner material arrived. 3:00 Geonet arrived. 4:00 Stuart out to look at monitoring well in the path of the channel. We will try to work around it. Began working on pipe manifold for manhole. 5:30 Left site. 24 loads of soil from the channel. 6 loads or rock.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 12/2/010
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alburns	OPII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Lanny Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Michael	Hallaton					9.0
Nick	Hallaton					9.0
Dominick	Hallaton					9.0
Justin	Hallaton					8.0
Duffney	Hallaton					9.0
Stuart	MWH					10.0

TOTAL HOURS: 88.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WT0010	3	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
DR1P Dozer	DZR028	10.5	Owned	
TA 30 Off Road Truck	DPT085		Owned	
TA 30 Off Road Truck	DPT059	10.5	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS054	8	Owned	
4" Water Pump	PP0037	1	Owned	
2" Water Pump	3430	8	Owned	
350 Excavator w/ Hammer	EXC073		Owned	
40' job Shack	MobMin	8	Rental	
Gator	ATV014	3	Owned	
Vibrator/Greaser	WL0013	1	Owned	
2" Water Pump	Hertz	8	Rental	
336 Excavator	Hertz	2	Rental	

TOTAL HOURS: 88.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued channel excavation. Building manhole manifold and installing grate. Liner company finishing liner. Pumping water in the sump basin. 9:30 Weekly meeting. 10:30 Best Supply delivered 12" pipe and 4" pipe. VOC's in the channel high in the channel and couldn't shoot grade. 4:00 Liner crew finished liner. 5:30 Left site. 61 loads of channel soil. 6 loads of rock.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Best Supply delivered pipe.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 12/5/010
DAY OF WEEK: Saturday
WEATHER/TEMP: Cloudy Cold

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	9.5
Tracy Holman	SSO				y	9.5
Kenneth Alburns	OPII				y	9.5
Oscar Gonzalez	LIII				y	9.5
Justino Gonzalez	LIII				y	9.5
Nicolas Gonzalez	LIII				y	9.5
Richard (Yogi) Guajardo	OPII				y	9.5
Russell Hebert	OPII				y	9.5
Lanny Nelson	CM				n	

TOTAL RECON HOURS: 75.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					9.5

TOTAL HOURS: 9.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9.5	Personal	
Site Truck	ST180	9.5	Owned	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	8.5	Owned	
DR1P Dozer	DZR028	8.5	Owned	
TA 30 Off Road Truck	DPT085	1	Owned	
TA 30 Off Road Truck	DPT059	8.5	Owned	
TA 30 Off Road Truck	DPT070	8.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS054	8	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430	8	Owned	
350 Excavator w/ Hammer	EXC073		Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	1	Owned	
Vibrator/Greaser	WL0013	1	Owned	
2" Water Pump	Hertz	8	Rental	
330 Excavator	Hertz	3	Rental	

TOTAL HOURS: 8.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Begin hauling fines to the west side of the basin to prepare for placement starting Monday afternoon. Grading areas. Working on grating for the manhole and finished cutting it so that the pump can be removed and worked on. 3:30 Leave site. 84 loads of fines for liner cover.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 12/6/010
DAY OF WEEK: Monday
WEATHER/TEMP: Cold 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Tracy Holman	SSO				y	11.5
Kenneth Alburns	OPII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Russell Hebert	OPII				y	10.5
Lanny Nelson	CM				n	

TOTAL RECON HOURS: 86.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Site Truck	ST180	11.5	Owned	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
DR1P Dozer	DZR028	10.5	Owned	
TA 30 Off Road Truck	DPT085		Owned	
TA 30 Off Road Truck	DPT059	10.5	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS054	8	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430	8	Owned	
350 Excavator w/ Hammer	EXC073		Owned	
40' Job Shack	MobMin	8	Rental	
Gator	ATV014	2	Owned	
Vibrator/Greaser	WL0013	1	Owned	
2" Water Pump	Hertz	8	Rental	
336 Excavator	Hertz	4	Rental	

TOTAL HOURS: 88.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued channel excavation. Continued working on sumps. 8:30 Kenny found a white substance in the channel near the monitoring well. It grew up over the weekend. Called MWH to come out and look at it. 12:00 Received 12" valve. Surveyors arrived to layout 12" drain and outflow channel. 1:00 Installed 12" valve in the manhole. 2:30 Stuart and Doug with MWH arrived to get a sample of the white stuff. Set last manhole riser. Had to cut another section of the grate so it would fit on the new 12" valve. 4:30 Set grate in the manhole. Replaced operator and valve handle. 5:30 Left site. 53 loads of dirt. 13 loads of rock.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/21/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Windy 27

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Tracy Holman	SSO				y	12.0
Kenneth Alums	OPR				y	11.0
Oscar Gonzalez	LB				y	11.0
Justino Gonzalez	LB				y	11.0
Nicolas Gonzalez	LB				y	11.0
Richard (Yogi) Quijando	OPR				y	11.0
Russell Hebert	OPR				y	11.0
Larry Nelson	CM				n	
TOTAL RECON HOURS:						90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0
TOTAL HOURS						12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
Site Truck	ST102	12	Owned	
2000 gal water truck	WTK010		Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
D61P Dozer	DZR026	11	Owned	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT068	5	Owned	
TA 30 Off Road Truck	OPT070	5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	4	Owned	
350 Excavator w/ Hammer	EXC075		Owned	
40' Job Shack	Mobile	8	Rental	
Gator	ATV014	1	Owned	
Welder/Greaser	WLD012	1	Owned	
6" Water Pump	Hertz	8	Rental	
200 Excavator	Hertz	4	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued channel excavation. Continued working on sump. 12:00 RSC delivered dozer. 1:00 Set concrete vault. 2:00 Electrician arrived. Installed pump. HDPE line did not work. Went with 1 1/2" PVC. 4:00 Electrician done. Got pump plumbed in. 6:00 Left site. 8 loads of rock. 17 loads of soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/28/10
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 22

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Russell Hebert	OPR				y	10.5
Kenneth Alums	OPR				y	10.5
Oscar Gonzalez	LB				y	10.5
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB				y	10.5
Richard (Yogi) Quijando	OPR				y	10.5
Larry Nelson	CM				n	
TOTAL RECON HOURS:						71.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.5
TOTAL HOURS						10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
200 Excavator	Hertz	5	Rental	
2000 gal water truck	WTK010		Owned	
330 Excavator w/ thumb	EXC081	2	Owned	
650 JD Dozer	RSC	6.5	Rental	
D61P Dozer	DZR026	10.5	Owned	
40' Job Shack	Mobile Mini	8	Rental	
6" Water Pump	Hertz	8	Rental	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT068	2	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	OPT070	2	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014	4	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading areas. Continued placing fines on liner. Working on sumps. Installed floats in the manhole. Grouted 12" casing into bottom of concrete vault. Excavated out for manifold lines. Installed valve in 1 1/2" line. 12:00 Begin excavating for 12" and 4" drain to the creek. 3:00 Started installing 12" and 4" drain pipes. 5:30 Left site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/29/10
DAY OF WEEK: Wednesday
WEATHER/TEMP: Misty 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Russell Hebert	OPR				y	10.5
Kenneth Alums	OPR				y	10.5
Oscar Gonzalez	LB				y	10.5
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB				y	10.5
Richard (Yogi) Quijando	OPR				y	10.5
Larry Nelson	CM				n	
TOTAL RECON HOURS:						71.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
TOTAL HOURS						11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
200 Excavator	Hertz	8	Rental	
2000 gal water truck	WTK010		Owned	
330 Excavator w/ thumb	EXC081	8	Owned	
650 JD Dozer	RSC	10.5	Rental	
D61P Dozer	DZR026	10.5	Owned	
40' Job Shack	Mobile Mini	8	Rental	
6" Water Pump	Hertz	8	Rental	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT068		Owned	
Welder/Greaser	WLD013		Owned	
TA 30 Off Road Truck	OPT070	4	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014	8	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430	3	Owned	
350 Excavator w/ Hammer	EXC075	2	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety Meeting. 7:30 Continued 12" and 4" installation. Continued liner cover. Continued grading areas. Brackets in for manifold. 10:30 Finished 12" and 4" and started backfill. Begin hauling more fines on liner cover. 12:00 Start finishing 4" piping to the manifold. Excavate to lower 4" line under outflow channel. 3:30 Finished 4" piping and began backfill. 5:30 Left site. 10 loads of fines for liner cover.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $2,638.30.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 12/30/10
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Russell Hebert	OPR				y	10.5
Kenneth Alums	OPR				y	10.5
Oscar Gonzalez	LB				y	10.5
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB				y	10.5
Richard (Yogi) Quijando	OPR				y	10.5
Larry Nelson	CM				n	
TOTAL RECON HOURS:						71.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
TOTAL HOURS						11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
200 Excavator	Hertz	8	Rental	
2000 gal water truck	WTK010		Owned	
330 Excavator w/ thumb	EXC081	10.5	Owned	
650 JD Dozer	RSC	10.5	Rental	
D61P Dozer	DZR026	10.5	Owned	
40' Job Shack	Mobile Mini	8	Rental	
6" Water Pump	Hertz	8	Rental	
TA 30 Off Road Truck	OPT065	2	Owned	
TA 30 Off Road Truck	OPT068	10.5	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	OPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Installed 4" pump into manhole. Grading areas. Hauling fines on the liner. Grouting holes in manholes. 9:30 RSC out to change fuel filters on 650 JD dozer. 12:30 Begin placing material around manholes to finished grade. 4:00 Begin excavating outflow channel to get material for around sumps. 5:30 Left site. 38 loads of fines. 5 loads of soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Non woven geotextile delivered for the channel and for the downchute.

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 12/31/10
DAY OF WEEK: Friday
WEATHER/TEMP: Cloudy 22

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPIII				y	10.5
Kenneth Allums	OPIII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 74.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
350 Excavator	Hertz		Rental	
2000 gal water truck	WTK010		Owned	
336 Excavator w/Bucket	EXC081	10.5	Owned	
850 JD Dozer	RSC	10.5	Rental	
D6IVP Dozer	DZR036	10.5	Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz	8	Rental	
TA 30 Off Road Truck	DPT085	4	Owned	
TA 30 Off Road Truck	DPT059	10.5	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/Hammer	EXC075	8	Owned	

TOTAL HOURS: 11.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued liner cover. Grading areas. Fixed heater blower in DPT085. 9:30 Continued excavating outflow channel. 11:00 Stopped excavating outflow channel and began loading scrap, rock, and trash and hauling to designated areas. Grading around sumps to prepare for Electricraft on Monday. 3:30 Finished placing material on the liner. Started loading excess soil on the east side of the basin and hauling to the MPA. 5:30 Left site. 26 loads of soil. 13 loads of fines. 2 loads of metal. 4 loads of rock.
Yesterday I visited with Ronnie and Stuart about the wrinkles in the liner at the bottom of the basin and that grading around there with the dozer could damage the liner. Since the water level in the basin will be kept about 4' we will do minimal grading in the bottom. Some places will have less fines than other and some will have more.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:
CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/3/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cold 25

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPIII				y	10.5
Kenneth Allums	OPIII				y	
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
350 Excavator	Hertz	5	Rental	
2000 gal water truck	WTK010		Owned	
336 Excavator w/Bucket	EXC081	10.5	Owned	
850 JD Dozer	RSC	4	Rental	
D6IVP Dozer	DZR036	6.5	Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz		Rental	
TA 30 Off Road Truck	DPT085	3	Owned	
TA 30 Off Road Truck	DPT059	10.5	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	1	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/Hammer	EXC075		Owned	

TOTAL HOURS: 11.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued loading excess soil on the east side of the basin. Grading areas. Loaded scrap box. Loaded misc. debris piles. 8:30 Liner and geonet delivered. 11:00 Begin channel excavation. 2:00 Master link on D6I broke. 3:30 Left site. 27 loads of soil from the channel. 3 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Liner and geonet delivered.

SUPERINTENDENT SIGNATURE:
CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/4/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 22

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPIII				y	10.5
Kenneth Allums	OPIII				y	
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
350 Excavator	Hertz	4	Rental	
2000 gal water truck	WTK010		Owned	
336 Excavator w/Bucket	EXC081	10.5	Owned	
850 JD Dozer	RSC	8	Rental	
D6IVP Dozer	DZR036		Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz		Rental	
TA 30 Off Road Truck	DPT085		Owned	
TA 30 Off Road Truck	DPT059	10.5	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/Hammer	EXC075		Owned	

TOTAL HOURS: 11.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued channel excavation. Grading areas. 9:45 Best Supply delivered 4" slotted pipe. 9:00 Surveyors arrived. 10:00 First load of rip-rap arrived. 10:45 Hertz arrived to drop off 500 dozer and pick up 6" water pump. Electricraft arrived to start electrical installation. 5:30 Left site. 107.87 tons of 18" rip-rap. 37 loads of soil from the channel. 2 loads of rock. 1 load of asphalt.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

107.87 tons of 18" rip-rap.

SUPERINTENDENT SIGNATURE:
CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/5/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 20

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPIII				y	10.5
Kenneth Allums	OPIII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 74.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
350 Excavator	Hertz	6	Rental	
2000 gal water truck	WTK010		Owned	
336 Excavator w/Bucket	EXC081	10.5	Owned	
850 JD Dozer	RSC	10.5	Rental	
D6IVP Dozer	DZR036		Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz		Rental	
TA 30 Off Road Truck	DPT085	10.5	Owned	
TA 30 Off Road Truck	DPT059	10.5	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/Hammer	EXC075	10.5	Owned	
D6IVP Dozer	Foley		Rental	

TOTAL HOURS: 11.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued channel excavation. Built pad for excavator to sit on to build downchute. Grading areas. 9:00 Electricraft arrived to do electrical install and take down lines. Began building downchute. 11:00 When Electricraft disconnected fuses on the east side they were worn out and would not go back on. MWH has someone coming to fix it. 5:30 Left site. 22 loads of soil. 2 loads of rock. 4 loads of asphalt. 8 loads of fines and 6 loads of wetlands materiale.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:
CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 1/6/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 50

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPR				y	10.5
Kenneth Alums	OPR				y	10.5
Oscar Gonzalez	LB				y	
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB					
Richard (Yogi) Guajardo	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	63.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
					TOTAL HOURS	11.5

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck	-	11.5	Personal	
200 Excavator	Hertz	2	Rental	
2000 gal water truck	WTR010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
850 JD Dozer	RSC	4	Rental	
D61P Dozer	DZR028		Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz		Rental	
TA 30 Off Road Truck	OPT065	8	Owned	
TA 30 Off Road Truck	OPT058		Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	OPT070		Owned	
20' Conex	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3436		Owned	
385 Excavator w/ Hammer	EXC075	8	Owned	
D6N Dozer	Foley	3.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading areas. Continued downchute construction. 9:00 Electricraft arrived to do electrical install. Called 850 from RSC off rent. 12:00 Called Foley and rented D6N. 2:00 Foley delivered D6N. 3:00 Finished downchute. Micheal with Wichita Fence came out to look at site and he said that they could be out the 13th or 14th. 3:30 Electricraft found a disconnect for storm water sump. Got with Ronnie on it and he said to get it and that he would send an email to comfirm. Loaded more scrap boxes. Pumped water from southend of basin and placed fines to finish it. 4:40 Started grading in the channel. 5:30 Left site. 2 loads of fines. 2 loads of wetlands material. 4 loads of riprap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel $3094.21.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 1/7/11
DAY OF WEEK: Friday
WEATHER/TEMP: Windy 50

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPR				y	10.5
Kenneth Alums	OPR				y	10.5
Oscar Gonzalez	LB				y	10.5
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB				y	
Richard (Yogi) Guajardo	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck		11.5	Personal	
200 Excavator	Hertz	5	Rental	
2000 gal water truck	WTR010		Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
850 JD Dozer	RSC		Rental	
D61P Dozer	DZR028		Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz		Rental	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT058	8	Owned	
Welder/Greaser	WLD013	4	Owned	
TA 30 Off Road Truck	OPT070	2.5	Owned	
20' Conex	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3436		Owned	
385 Excavator w/ Hammer	EXC075	2.5	Owned	
D6N Dozer	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued channel excavation. Continued grading MPA and channel. Installed weep holes in downchute. 10:30 Rental pencil concrete vibrator. 12:00 Grout arrived for down chute. 3:00 Finished channel excavation. Finished grouting downchute. Took back concrete vibrator. 5:30 Left site. 7 soil from channel. 8 rock from channel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

CMC delivered grout 18 cyds.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 1/8/11
DAY OF WEEK: Saturday
WEATHER/TEMP: Cloudy Cold

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Russell Hebert	OPR				n	
Kenneth Alums	OPR				y	10.5
Oscar Gonzalez	LB				y	10.5
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB				y	10.5
Richard (Yogi) Guajardo	OPR				y	10.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck		11.5	Personal	
200 Excavator	Hertz	8	Rental	
2000 gal water truck	WTR010		Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
850 JD Dozer	RSC		Rental	
D61P Dozer	DZR028		Owned	
40' Job Shack	MobMini	8	Rental	
6" Water Pump	Hertz		Rental	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT058		Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	OPT070	4	Owned	
20' Conex	CON054	8	Owned	
Gator	ATV014	4	Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3436		Owned	
385 Excavator w/ Hammer	EXC075		Owned	
D6N Dozer	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading. Continued grading the channel. Remove 8 power poles on the west side of the property and picked up wire. 9:00 Berry tractor here to repair DZR028. 12:30 Start removing bucket on rental excavator. 3:30 Started excavating around upper wall to get 4" line in. 5:30 Left site. 3 trash. 1 metal. 1 rock.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5430
DATE: 1/10/11
DAY OF WEEK: Monday
WEATHER/TEMP: Snow 25

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Kenneth Alums	OPR				y	6.5
Richard (Yogi) Guajardo	OPR				y	6.5
Oscar Gonzalez	LB				y	6.5
Justino Gonzalez	LB				y	6.5
Nicolas Gonzalez	LB				y	6.5
Larry Nelson	CM				n	
					TOTAL RECON HOURS	40.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck		8	Personal	
200 Excavator	Hertz	6.5	Rental	
2000 gal water truck	WTR010		Owned	
336 Excavator w/ thumb	EXC081		Owned	
40' Job Shack	MobMini	8	Rental	
TA 30 Off Road Truck	OPT065		Owned	
TA 30 Off Road Truck	OPT058	6.5	Owned	
Welder/Greaser	WLD013	1	Owned	
TA 30 Off Road Truck	OPT070		Owned	
20' Conex	CON054	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PPD037		Owned	
3" Water Pump	3436		Owned	
385 Excavator w/ Hammer	EXC075		Owned	
D6N Dozer	Foley	6.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

9:30 Weekly meeting. 11:30 Safety meeting. 12:00 Continued installing underdrain in channel. Pulled 1 1/2" pump and removed trash that was clogging it up. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/12/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 20

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Kenneth Alburia	OPIII				y	11.0
Richard (Yogi) Guajardo	OPIII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Lanny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					

TOTAL RECON HOURS: 67.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
200 Excavator	Hertz	11	Rental	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	9	Owned	
40' Job Shack	MobMiu	8	Rental	
TA 30 Off Road Truck	DPT065	11	Owned	
TA 30 Off Road Truck	DPT066	11	Owned	
Welder/Grader	WLD012	1	Owned	
TA 30 Off Road Truck	DPT070	7	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014	4	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075		Owned	
DBN Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued under drain excavation in channel. DBN, 200 Excavator, 2 offroad trucks. Used 336 and 1 offroad truck for 2 hours to load and haul concrete and pipes from the channel. Picked up limbs from tree trimming and hauled to the trash pile. Replaced battery on DPT065. Loaded 2 scrap boxes. 6:00 left site. 2 loads of concrete and 2 loads of metal. 30 loads of soil from channel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/13/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 5

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Kenneth Alburia	OPIII				y	11.0
Richard (Yogi) Guajardo	OPIII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Lanny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					

TOTAL RECON HOURS: 67.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
200 Excavator	Hertz	11	Rental	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	9	Owned	
40' Job Shack	MobMiu	8	Rental	
TA 30 Off Road Truck	DPT065	9	Owned	
TA 30 Off Road Truck	DPT066	9	Owned	
Welder/Grader	WLD012	1	Owned	
TA 30 Off Road Truck	DPT070		Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014	1	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075		Owned	
DBN Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued channel underdrain excavation. 200 Excavator, DBN Dozer, 2 offroad trucks. The two off road trucks worked only 8 hrs. 8:00 Carnaje truck arrived to load trash and haul to Butler County landfill. 8.25 hrs of truck time, 63.11 tons of trash, and 5-40 cyd loads. Allmetal hauled 4 loads of scrap. 12:00 Graded part of the outflow channel. 3:00 offroad trucks stopped hauling because the excavator could not reach them from the bottom of the ditch. 3:30 Finished loading trash. 6:00 Left site. 17 loads of soil and 1 load of rock.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/15/11
DAY OF WEEK: Saturday
WEATHER/TEMP: Cloudy 22

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Kenneth Alburia	OPIII				y	9.0
Richard (Yogi) Guajardo	OPIII				y	9.0
Oscar Gonzalez	LIII				y	9.0
Justino Gonzalez	LIII				y	9.0
Nicolas Gonzalez	LIII				y	9.0
Lanny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0

TOTAL RECON HOURS: 56.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
200 Excavator	Hertz	4	Rental	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	9	Owned	
40' Job Shack	MobMiu	8	Rental	
TA 30 Off Road Truck	DPT065	6	Owned	
TA 30 Off Road Truck	DPT066		Owned	
Welder/Grader	WLD012		Owned	
TA 30 Off Road Truck	DPT070	8	Owned	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014	3	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	6	Owned	
DBN Dozer	Foley	9	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued loading scrap boxes. Grading made. Hauled 3 scrap boxes. 10:00 Continued hauling excavated rock from under drain. 11:00 Continued backfilling underdrain. 2 offroad trucks 8hrs, 336 excavator 9 hrs, 360 excavator 6 hrs, and DBN 6 hrs. 2:00 Checked out grease trailer for Lanny. All fights working. 4:00 Left site. 4 loads of rock, 8 loads of wetlands material, 4 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5430
DATE: 1/18/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Cloudy 15

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Kenneth Alburia	OPIII				y	11.0
Richard (Yogi) Guajardo	OPIII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Lanny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL RECON HOURS: 67.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
2000 gal water truck	WT0010		Owned	
336 Excavator w/ thumb	EXC081	11	Owned	
40' Job Shack	MobMiu	8	Rental	
TA 30 Off Road Truck	DPT066	11	Owned	
TA 30 Off Road Truck	DPT070	11	Owned	

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CON054	8	Owned	
Gator	ATV014	1	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
360 Excavator w/ Hammer	EXC075	9	Owned	
DBN Dozer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued underdrain installation. Used 360 Excavator 9 hrs, 2 off road trucks 9 hrs, 336 excavator 9 hrs. Started grading areas again. Electricraft onsite and got the inspection on the service and ordered power hook up. 9:00 Sullivan trucking picked up two rolloffs going to landfill. Universal oil picked up used oil. Graded section of outflow channel that was excavated. 4:00 Buckeye Supply delivered 2" pipe and 4" pipe. Picked up filters for EXC081. 6:00 Leftsite. 3 loads of rock, 1 load of metal, 2 loads of wetlands material, 7 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/18/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Snow 20

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Kenneth Alburto	OPIII				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5
Brian	El Paso					2.5
Bart	El Paso					2.5
Tim Meade	RECON					6.0
Rick Meyers	RECON					5.0

TOTAL HOURS: 26.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
2000 gal water truck	WTK015		Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
48" Job Shack	MobMin	8	Rental	
TA 30 Off Road Truck	DPT056	8	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	2	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075	10.5	Owned	
D6N Dozer	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued backfilling the underdrain. 336 Excavator 8 hrs, 2 offroad trucks 8 hrs, 360 excavator 10.5 hrs. Grading areas. 8:00 Brian and Bart arrived onsite. 1:00 Finished backfilling underdrain. Start working on the slopes in the channel. Service EXC081 1020 hrs. 4:00 Begin picking up rebar in scrap area. 8:30 Left site. 8 loads of wetlands material. 2 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/20/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 14

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Kenneth Alburto	OPIII				y	11.0
Richard (Yogi) Guajardo	OPIII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 67.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
2000 gal water truck	WTK015		Owned	
336 Excavator w/ thumb	EXC081	11	Owned	
48" Job Shack	MobMin	8	Rental	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	8	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075		Owned	
D6N Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety Meeting. 7:30 Grading areas. Clean up around scrap boxes. Loading with EXC081. 8:30 Continued working on slopes of channel. EXC081 8 hrs. 12:50 Surveyors arrived to Topo areas. 6:30 left site. 1 load of rocks.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/21/11
DAY OF WEEK: Friday
WEATHER/TEMP: Cloudy 22

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Kenneth Alburto	OPIII				y	
Richard (Yogi) Guajardo	OPIII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 63.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
2000 gal water truck	WTK015		Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
350 Dozer w/ ripper	Hertz		Rental	
48" Job Shack	MobMin	8	Rental	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	10.5	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075		Owned	
D6N Dozer	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Grading areas. Working on slopes of channel. 336 Cat Excavator 8 hrs. Picking up rocks, concrete, metal around the site. Plumbed in filter meter. Allmetal picked up scrap box. Hertz picked up 200 excavator. 4:00 Installed 4 " line on side of channel. 8:30 Left site. 8 loads of metal, 5 trash, 2 rocks and concrete with the gator.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $2756.80.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/22/11
DAY OF WEEK: Saturday
WEATHER/TEMP: Cloudy 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Kenneth Alburto	OPIII				y	10.0
Richard (Yogi) Guajardo	OPIII				y	10.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LIII				y	10.0
Nicolas Gonzalez	LIII				y	10.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 61.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0

TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
2000 gal water truck	WTK015		Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
350 Dozer w/ ripper	Hertz		Rental	
48" Job Shack	MobMin	8	Rental	
TA 30 Off Road Truck	DPT056	4	Owned	
TA 30 Off Road Truck	DPT070	4	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054		Owned	
Gator	ATV014	10	Owned	
4" Water Pump	PP0037		Owned	
3" Water Pump	3430		Owned	
330 Excavator w/ Hammer	EXC075	4	Owned	
D6N Dozer	Foley	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued slopes on channel. 336 excavator 8 hrs. Continued grading. Picking up debris around site. Hauled pipe to scrap box. Hauled soil to areas needed by the dozer. 2:30 Found large concrete footing in the scrap area and removed. 5:00 Left site. 2 concrete and two metal with offroad trucks. 8 loads of soil from the grading area. 15 loads of scrap, trash, and steel w/ gator.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 1/24/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 33

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Kenneth Alburna	OPII				y	11.0
Richard (Yogi) Quezada	OPII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Larry Nelson	CM				n	

TOTAL RECON HOURS: 67.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
336 Excavator w/thumb	EXC061	11	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	Mid-Mtn	8	Rental	
550 Dozer w/ ripper	Hertz		Rental	
TA 30 Off Road Truck	ORT006	1	Owned	
TA 30 Off Road Truck	ORT073	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS54	8	Owned	
Gator	ATV014	5	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
380 Excavator w/Hammer	EXC075	7	Owned	
20Yd Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued slopes on the channel. 336 Excavator 11 hrs. Started liner trench. 380 Excavator 7 hrs. Serviced ATV014 338 hours. Finished removing concrete where the scrap pile was and backfilled hole. Grading areas. 8:30 Weekly meeting. 8:00 Left site. 5 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 1/25/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 18

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Kenneth Alburna	OPII				y	10.0
Richard (Yogi) Quezada	OPII				y	10.5
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Larry Nelson	CM				n	

TOTAL RECON HOURS: 65.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
336 Excavator w/thumb	EXC061	10	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	Mid-Mtn	8	Rental	
550 Dozer w/ ripper	Hertz		Rental	
TA 30 Off Road Truck	ORT006		Owned	
TA 30 Off Road Truck	ORT073	2	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS54	8	Owned	
Gator	ATV014	11	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
380 Excavator w/ Hammer	EXC075		Owned	
20Yd Dozer	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. Finished up slopes on channel. Continued excavating liner trench. 336 excavator 10 hrs, 380 excavator 11 hrs. Continued grading areas. Picking up rocks and debris onsite. 8:30 Wichita Fence arrived to install posts for fence. 8:30 Electrocraft arrived to install last electrical box now we are waiting on Westar. 11:00 Hauled contaminated soil from channel to MPA. 4:00 Hauled liner to channel for placement tomorrow. 6:00 Left site. 1 load of concrete. 8 loads of contaminated soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 1/26/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cloudy 30

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Kenneth Alburna	OPII				y	11.0
Richard (Yogi) Quezada	OPII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Larry Nelson	CM				n	

TOTAL RECON HOURS: 67.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
336 Excavator w/thumb	EXC061	11	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	Mid-Mtn	8	Rental	
550 Dozer w/ ripper	Hertz		Rental	
TA 30 Off Road Truck	ORT006		Owned	
TA 30 Off Road Truck	ORT073		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS54	8	Owned	
Gator	ATV014	8	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
380 Excavator w/ Hammer	EXC075	11	Owned	
20Yd Dozer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Started parking geonet and liner. 8:00 Fence company hung wire on fence by the office. 380 Excavator 11 hrs, 336 excavator 11 hrs, 3 laborers 11 hrs. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3430
DATE: 1/27/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Kenneth Alburna	OPII				y	10.5
Richard (Yogi) Quezada	OPII				y	10.5
Oscar Gonzalez	LIII				y	10.5
Justino Gonzalez	LIII				y	10.5
Nicolas Gonzalez	LIII				y	10.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
336 Excavator w/thumb	EXC061	10.5	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	Mid-Mtn	8	Rental	
550 Dozer w/ ripper	Hertz		Rental	
TA 30 Off Road Truck	ORT006	4	Owned	
TA 30 Off Road Truck	ORT073		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Cones	CONS54	8	Owned	
Gator	ATV014	5	Owned	
4" Water Pump	PP0037		Owned	
2" Water Pump	3430		Owned	
380 Excavator w/ Hammer	EXC075	10.5	Owned	
20Yd Dozer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety Meeting. 7:30 Begin picking non-woven fabric. 336 excavator 6 hrs, 380 excavator 6 hrs, 3 laborers 6 hrs. 8:00 Liner crew arrived to weld liner. 8:30 Fence company arrived. 11:00 Liner crew left. 1:30 Installed culverts. 5:30 Left site. 7 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/28/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Kenneth Alturna	OPII				y	11.0
Richard (Yogi) Guajardo	OPII				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Gonzalez	LR				y	11.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 67.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
336 Excavator w/ thumb	EXC081	11	Owned	
2000 gal water truck	WTR010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ rippers	Hertz	8	Rental	
TA 30 Off Road Truck	OPT009	11	Owned	
TA 30 Off Road Truck	OPT070	11	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Canvas	CON004	8	Owned	
Gator	ATV014		Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	2430		Owned	
350 Excavator w/ hammer	EXC075	11	Owned	
D6N Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Start Riprapping channel. Backfilling liner trench as we go. Fence company arrived to finish fence. Grading areas. 10:00 Sullivan's Trucking dump rolloff boxes. 2 hrs. 3:00 Started additional riprap in channel. 336 Excavator 3 hrs, 2 offroad trucks 3 hrs, 360 excavator 3 hrs. D50 JD dozer backfilling liner trench 3 hrs. 6:00 Left site. 21 loads of D50 1.5. 1.5 loads of D50 3.5.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/29/11
DAY OF WEEK: Saturday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Kenneth Alturna	OPII				y	8.0
Richard (Yogi) Guajardo	OPII				y	8.0
Oscar Gonzalez	LR				y	8.0
Justino Gonzalez	LR				y	8.0
Nicolas Gonzalez	LR				y	8.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 49.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					9.0

TOTAL HOURS: 9.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
336 Excavator w/ thumb	EXC081	8	Owned	
2000 gal water truck	WTR010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ rippers	Hertz	7	Rental	
TA 30 Off Road Truck	OPT009	8	Owned	
TA 30 Off Road Truck	OPT070	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Canvas	CON004	8	Owned	
Gator	ATV014	2	Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	2430		Owned	
350 Excavator w/ Hammer	EXC075	8	Owned	
D6N Dozer	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing rip rap in the channel. 336 excavator 8 hrs, 350 excavator 8 hrs, 2 offroad trucks 8 hrs. Grading areas. 1:00 Begin offsetting flags for swales. 3:00 Left site. 17 loads of D50 1.5.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 1/31/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	14.0
Kenneth Alturna	OPII				y	4.0
Richard (Yogi) Guajardo	OPII				y	4.0
Oscar Gonzalez	LR				y	4.0
Justino Gonzalez	LR				y	4.0
Nicolas Gonzalez	LR				y	4.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 34.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					9.0

TOTAL HOURS: 9.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		13	Personal	
336 Excavator w/ thumb	EXC081	4	Owned	
2000 gal water truck	WTR010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ rippers	Hertz		Rental	
TA 30 Off Road Truck	OPT009	1	Owned	
TA 30 Off Road Truck	OPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Canvas	CON004	8	Owned	
Gator	ATV014	3	Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	2430		Owned	
350 Excavator w/ Hammer	EXC075	1	Owned	
D6N Dozer	Foley	4	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Worked on finishing up upper slope of lined channel. 336 Excavator 4 hrs, 1 offroad truck 1 hr, 360 excavator 1 hr. Working on drainage swales. Set lids on sumps. Picking up rocks and debris. 8:30 Weekly meeting. Due to forecasted snow and temps sent the crew on rotation. Justino, Oscar, and Nicolas drove to Dallas, TX. Richard drove to San Antonio, TX. Kenny drove to Longview, TX. Jon drove to Tyler, TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/1/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	
Kenneth Alturna	OPII				n	
Richard (Yogi) Guajardo	OPII				n	
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	
Lenny Nelson	CM				n	

TOTAL RECON HOURS:

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck			Personal	
336 Excavator w/ thumb	EXC081		Owned	
2000 gal water truck	WTR010		Owned	
40' Job Shack	MobMin		Rental	
350 Dozer w/ rippers	Hertz		Rental	
TA 30 Off Road Truck	OPT009		Owned	
TA 30 Off Road Truck	OPT070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Canvas	CON004		Owned	
Gator	ATV014		Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	2430		Owned	
350 Excavator w/ Hammer	EXC075		Owned	
D6N Dozer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Kenny drove back from Longview, TX. Justino, Oscar, Nicolas drove back from Dallas, TX. Jon drove back from Chandler, TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/15/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 18

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.0
Kenneth Alburre	OPII				y	
Richard (Yogi) Guajardo	OPII				n	
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Gonzalez	LR				y	11.0
Larry Nelson	CM				n	

TOTAL RECON HOURS: 45.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12	Personal	
336 Excavator w/ thumb	EXC081	8	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ ripper	Hertz	2	Rental	
TA 30 Off Road Truck	OPT008		Owned	
TA 30 Off Road Truck	OPT010		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	8	Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	3430		Owned	
336 Excavator w/ Hammer	EXC075	11	Owned	
DEN Digger	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Check equipment after long notation and hard freeze. Everything started and was in good condition. 8:00 Started working on grading in the north end of the channel. Picked up debris. Shoveled around manhole lids to get ready to grout. 12:00 Grouted manhole lid. 3:00 Brought 350 dozer to work in northern end of the channel to grade the bottom. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Site very wet. No sun or wind today.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/16/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.5
Kenneth Alburre	OPII				y	11.5
Richard (Yogi) Guajardo	OPII				n	
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 69.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.5

TOTAL HOURS: 12.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12.5	Personal	
336 Excavator w/ thumb	EXC081	11.5	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ ripper	Hertz	4	Rental	
TA 30 Off Road Truck	OPT008		Owned	
TA 30 Off Road Truck	OPT010	4	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	8	Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	8.5	Owned	
DEN Digger	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading channel to the north of the riprap. Fixed hose on the water truck that got a hole in it from the freeze. Moved 4" water pump to the office area. 9:00 Electrician arrived to test pumps in sumps on new system. The 4" pump would not work and had to pull it and MWH carried it to pump shop. 12:00 Electrician left site. 1:30 Began cleaning mud off of area around the office. 3:00 Finished grading in the channel. Placed riprap on the slope face of the culverts. Loaded rocks and debris from the channel grading and hauled to designated areas. 6:30 Left site. 2 loads of rock, 1 load of trash, 2 loads of metal, 1 load of riprap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Wet site.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/17/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.5
Kenneth Alburre	OPII				y	11.5
Richard (Yogi) Guajardo	OPII				n	
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 58.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.5

TOTAL HOURS: 12.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12.5	Personal	
336 Excavator w/ thumb	EXC081	11.5	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ ripper	Hertz	8	Rental	
TA 30 Off Road Truck	OPT008	8	Owned	
TA 30 Off Road Truck	OPT010	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	4	Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	3	Owned	
DEN Digger	Foley	5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Grading around the channel. Load generator, 4" water pump, hammer, and water truck for demobe. 12:00 Begin outflow channel excavation. 4:30 Finish outflow channel excavator. Begin placing riprap in outflow channel. 6:30 Left site 11 loads of soil, 10 loads of gravel, 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Wet site.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/18/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.5
Kenneth Alburre	OPII				y	10.5
Richard (Yogi) Guajardo	OPII				n	
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Larry Nelson	CM				n	

TOTAL RECON HOURS: 53.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
336 Excavator w/ thumb	EXC081	3	Owned	
2000 gal water truck	WTK010		Owned	
40' Job Shack	MobMin	8	Rental	
350 Dozer w/ ripper	Hertz	5.5	Rental	
TA 30 Off Road Truck	OPT008	2	Owned	
TA 30 Off Road Truck	OPT010	2	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	CON054	8	Owned	
Gator	ATV014	5.5	Owned	
4" Water Pump	PP0007		Owned	
2" Water Pump	3430		Owned	
350 Excavator w/ Hammer	EXC075	3	Owned	
DEN Digger	Foley	7.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Finished riprap in outflow channel. Grading around channel. 12:00 Begin ripping north end of project and picking up debris. Ground a little wet. 550 JD dozer w/ rippers, ATV014, and 2 laborers 5.5 hrs. 6:30 Left site. 8 loads of rip rap. 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/01/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.0
Kenneth Alfaro	OPII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 58.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		12	Personal	
130 Excavator w/thumb	EXC061	3	Owned	
DBN	Foley	11	Rental	
40' Job Shack	MobMod	8	Rental	
350 Dozer w/ripper	Hertz	11	Rental	
TA 30 Off Road Truck	DPT006		Owned	
TA 30 Off Road Truck	DPT010	2	Owned	
20' Canes	CON054	8	Owned	
Gator	ATV014	11	Owned	
3" Water Pump	3430		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading around channel and basin. Continued ripping and picking up debris. Loaded concrete that was excavated last week and hauled to the pile. 12:00 Surveyors arrived to topo channel and start laying out swales. 3:00 Start cleaning out swells that were in before rotation. 6:00 Left site. 4 loads of concrete and three loads of soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/02/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 19

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.0
Kenneth Alfaro	OPII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Oscar Gonzalez	LIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 56.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.0

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		12	Personal	
130 Excavator w/thumb	EXC061	3	Owned	
DBN	Foley	8	Rental	
40' Job Shack	MobMod	8	Rental	
350 Dozer w/ripper	Hertz	8	Rental	
TA 30 Off Road Truck	DPT006	2	Owned	
TA 30 Off Road Truck	DPT010	2	Owned	
20' Canes	CON054	8	Owned	
Gator	ATV014	8	Owned	
3" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued ripping site and picking up debris. Continued working on swales. 11:00 Begin installing new swales and downchutes around the basin. 6:00 Left site. 2 loads of riprap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/03/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.5
Kenneth Alfaro	OPII				y	11.5
Nicolas Gonzalez	LIII				y	11.5
Oscar Gonzalez	LIII				y	11.5
Justino Gonzalez	LIII				y	11.5
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 58.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.5
Robert	Cornejo					9.5
Rumpy	Cornejo					9.5

TOTAL HOURS: 31.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		12.5	Personal	
130 Excavator w/thumb	EXC061	3	Owned	
DBN	Foley	8	Rental	
40' Job Shack	MobMod	8	Rental	
350 Dozer w/ripper	Hertz	8	Rental	
TA 30 Off Road Truck	DPT006	1	Owned	
TA 30 Off Road Truck	DPT010	1	Owned	
20' Canes	CON054	8	Owned	
Gator	ATV014	11.5	Owned	
3" Water Pump	3430		Owned	
Ranger	Foley	5.5	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading around swales. Continued ripping and picking up debris. 8:00 Cornejo laborers arrived. Trained them and put them to work. 8:00 Tried to remove concrete that we found yesterday with the excavator. It is about 15' in diameter and 10' to 15' deep and still going. 12:10 Haul truck arrived to pick up EXC075 to demobe. 1:00 Foley dropped off Ranger and trailer. The trailer is too low to the ground and could not be used called it off rent. 2:00 Stopped ripping and started placing riprap on downchute and ditch checks. 2:30 DBN broke down. Mechanic on the way. 6:00 Left site. 6:30 Left site for the day. 2 loads of riprap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3430
DATE: 2/04/11
DAY OF WEEK: Monday
WEATHER/TEMP: Sunny 24

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Nicolas Gonzalez	LIII				y	10.0
Justino Gonzalez	LIII				y	10.0
Oscar Gonzalez	LIII				y	8.0
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 37.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0

TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Bite Truck		11	Personal	
130 Excavator w/thumb	EXC061		Owned	
DBN	Foley		Rental	
40' Job Shack	MobMod		Rental	
350 Dozer w/ripper	Hertz		Rental	
TA 30 Off Road Truck	DPT006		Owned	
TA 30 Off Road Truck	DPT010		Owned	
20' Canes	CON054		Owned	
Gator	ATV014		Owned	
3" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Clean both dozers for demobe. Clean out office and get ready for demobe. Set 4" pump in manhole. Have to have two normaly open floats and we have one open and one closed. Electrician will pickup when he goes to town. Foley swapped out DBN for another. I returned the Ranger to get it off rent.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

WET SITE.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0430
DATE: 5/5/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Sunny 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				x	8.0
Nicolas Gonzalez	LB				y	7.0
Justino Gonzalez	LB				y	7.0
Oscar Gonzalez	LB				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 30.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					8.0

TOTAL HOURS: 8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8	Personal	
336 Excavator w/thumb	EXC081	1.5	Owned	
DBG	Foley		Rental	
40' Job Shack	Mob/Min		Rental	
550 Dozer w/ripper	Hertz		Rental	
TA 30 Off Road Truck	DPT056	1	Owned	
TA 30 Off Road Truck	DPT070	1	Owned	
20' Canes	CONN04	8	Owned	
Gator	ATV014	1	Owned	
2" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

8:00 Safety meeting. 8:30 Picked up oil and filters. 8:00 Begin changing oil in DPT070 and DPT056. 10:00 Load tranformer on Clean Harbors truck. 1:30 Finish changing oil and filters in trucks. Excavate asphalt at south tank farm. 2:30 Finish parking up paper work. 3:00 Left site. Called Mobilmini off rent. Hertz picked up 550 JD dozer.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

WET SITE.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0430
DATE: 5/2/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Nicolas Gonzalez	LB				y	4.5
Justino Gonzalez	LB				y	8.0
Oscar Gonzalez	LB				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 26.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					10.0
Robert	Cornejo					
Ramiro	Cornejo					

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
336 Excavator w/thumb	EXC081		Owned	
DBG	Foley		Rental	
40' Job Shack	Mob/Min		Rental	
550 Dozer w/ripper	Hertz		Rental	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
20' Canes	CONN04		Owned	
Gator	ATV014		Owned	
2" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

8:00 Safety meeting. 8:30 Attempted to pickup rocks and debris but it was too wet. 9:30 Electricraft arrived to install and test floats. They tested good and then we installed them at the level that Stuart directed us to. 11:00 Took burnt motor oil to the disposal facility. 12:30 Left site. 4:30 Best Supply picked up glue, primer, and 12" pipe. Justino demobed home to Oakcliff Texas.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

WET SITE.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0430
DATE: 5/5/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 44

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Nicolas Gonzalez	LB				y	8.0
Justino Gonzalez	LB				n	
Oscar Gonzalez	LB				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 17.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.0

TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
336 Excavator w/thumb	EXC081	4.5	Owned	
DBG	Foley		Rental	
40' Job Shack	Mob/Min		Rental	
550 Dozer w/ripper	Hertz		Rental	
TA 30 Off Road Truck	DPT056	2	Owned	
TA 30 Off Road Truck	DPT070		Owned	
20' Canes	CONN04	8	Owned	
Gator	ATV014	8	Owned	
2" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

8:00 Safety meeting. 8:30 Rented trailer to go to Wichita and pick up fabric from ME. 10:30 First two loads of rip rap arrived. 11:30 Placed liner on south area. 12:30 Started placing rip rap. 1:30 Last two loads of rip rap arrived. 3:00 Layed liner on middle area. 3:30 Started placing rip rap on middle area and finished. 5:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Cornejo delivered 91.59 tons of rip rap. Purchased non-woven fabric $608.35.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 3-0430
DATE: 5/6/11
DAY OF WEEK: Friday
WEATHER/TEMP: Misty 30

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.5
Nicolas Gonzalez	LB				y	10.5
Justino Gonzalez	LB				n	
Oscar Gonzalez	LB				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 30.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
336 Excavator w/thumb	EXC081	5.5	Owned	
DBG	Foley	1	Rental	
40' Job Shack	Mob/Min		Rental	
550 Dozer w/ripper	Hertz		Rental	
TA 30 Off Road Truck	DPT056	5.5	Owned	
TA 30 Off Road Truck	DPT070		Owned	
20' Canes	CONN04	8	Owned	
Gator	ATV014	2	Owned	
2" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

8:00 Safety meeting. 8:30 Pump truck arrived from ACI and got set up. 9:00 CMC arrived w/ first load of grout. 11:00 Finished grout and began swale on east side of basin. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered 300 gals of fuel $1,081.65. ACI pumped 16 cy of grout and where here for 2 hours. CMC delivered 18 cy of grout.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 3-3439
DATE: 8/8/11
DAY OF WEEK: Saturday
WEATHER/TEMP: Windy 20

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Nicolas Gonzalez	L/I				y	11.5
Justino Gonzalez	L/I				n	
Oscar Gonzalez	L/I				n	
Lenny Nelson	CM				n	
					TOTAL RECON HOURS:	24.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					12.5
					TOTAL HOURS:	12.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		12.5	Personal	
336 Excavator w/ thumb	EXC081	5.5	Owned	
Dirt	Foley	11.5	Rental	
40' Job Shack	MobMini		Rental	
330 Gator w/ tipper	rental		Rental	
TA 30 Off Road Truck	DPT056	4	Owned	
TA 30 Off Road Truck	DPT070		Owned	
20' Conex	CON054		Owned	
Gator	ATV014		Owned	
3" Water Pump	3430		Owned	
Ranger	Foley		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin grading berm and swale on east side of basin. Loading and hauling excess soil in mpa from grading and hauling to low spots and stockpiling the rest. 12:30 Begin on third swale. Picking up concrete and rocks with the excavator and offroad truck. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 3-3438
DATE: 3/8/11
DAY OF WEEK: Sunday
WEATHER/TEMP: Clear 24

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Nicolas Gonzalez	L/I				y	8.0
Justino Gonzalez	L/I				n	
Oscar Gonzalez	L/I				n	
Lenny Nelson	CM				n	
					TOTAL RECON HOURS:	17.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Ronnie Miguez	El Paso					9.0
					TOTAL HOURS:	9.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9	Personal	
336 Excavator w/ thumb	EXC081		Owned	
CM	Foley	8	Rental	
TA 30 Off Road Truck	DPT056		Owned	
20' Conex	CON054		Owned	
Gator	ATV014	8	Owned	
3" Water Pump	3430		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Put ripper down on D6. 8:00 Continued grading swales. Nicolas picking up debris on north end where it is already ripped. Finished 3rd and 4th swales.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/1/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Sunny 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Doyle Arnett	BSO				n	
Steve Hidalgo	OPM				n	
Oscar Gonzalez	L/I				n	
Justino Gonzalez	L/I				n	
Nicolas Gonzalez	L/I				n	
Stephen Berry	RSM				n	
					TOTAL RECON HOURS:	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS:	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Site Truck			Owned	
336 Excavator w/ thumb	EXC081		Owned	
D6XPX Dozer			Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
3" Water Pump	3430		Owned	
Gator	ATV014		Owned	
Grass Skid	GRS009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Arrived at the site. Met with Joel about hooking up the job shack electric. 9:00 Took excavator and removed posts from center of the road at site entrance. 11:00 Covered end of pipe that connects west pond and southeast pond so I could begin pumping the southeast pond. 12:00 Lunch. 1:00 Clean tracks on the excavator so Mitch could haul it to Foley Equipment for the counter weight installation. 2:30 Mitch arrived with BKH016, GRS009, and an Exterra. He unloaded them and loaded the excavator and left the site. 3:30 Used backhoe to move the 3" water pump to the SE pond. 4:00 Start pumping water. 4:30 Used backhoe to fix area for the job shack and fill some potholes. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Mitch delivered BKH016, GRS009, and took EXC091 to Foley Equipment in Wichita.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 3-3628
DATE: 8/2/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Doyle Arnett	BSO				n	
Steve Hidalgo	OPM				n	
Oscar Gonzalez	L/I				n	
Justino Gonzalez	L/I				n	
Nicolas Gonzalez	L/I				n	
Stephen Berry	RSM				n	
					TOTAL RECON HOURS:	9.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS:	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9	Personal	
Site Truck			Owned	
336 Excavator w/ thumb	EXC081		Owned	
D6XPX Dozer			Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
3" Water Pump	3430		Owned	
Gator	ATV014		Owned	
Grass Skid	GRS009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Arrived at site. 8:00 Fixed suction hose so it would float. 9:15 Started pumping water. 9:00 Visited with Jerald, Doug, and Stuart and we decide that the original location for the jobshack was not a good choice. 10:00 Placed gravel in the new spot. 11:00 Worked on potholes in entrance road. 12:15 Lunch. 12:30 Waste Connections arrived with 2 toilets and a hand wash. 2:30 Mobile Mini arrived with job shack and moved conex for us. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Mobile Mini delivered job shack.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/9/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.5
Gayle Arnett	SSO				n	
Steve Hickman	OPR				n	
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 9.5

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9.5	Personal	
Site Truck			Owned	
336 Excavator w/ thumb	EXC061		Owned	
DRYFX Dozer			Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
3" Water Pump	3430		Owned	
Gator	ATV014		Owned	
Grease Wall	GR3009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	McMillin		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Arrived at site. 7:45 Begin pumping water. Put up signs and put tables and chairs in the job shack. 12:00 Lunch. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/8/11
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	6.5
Gayle Arnett	SSO				n	
Steve Hickman	OPR				n	
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 6.5

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		6.5	Personal	
Site Truck			Owned	
336 Excavator w/ thumb	EXC061		Owned	
DRYFX Dozer			Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
3" Water Pump	3430		Owned	
Gator	ATV014		Owned	
Grease Wall	GR3009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	McMillin		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

9:00 Start pumping water. Picked up some of the remaining materials from around where the conex was and moved over to the new location. Reviewed scope of work. 2:30 Lunch. 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/8/11
DAY OF WEEK: Monday
WEATHER/TEMP: HOT 101

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Gayle Arnett	SSO				y	9.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	8.0
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	9.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					5.0
Matt Meyers	RECON					5.0

TOTAL RECON HOURS: 45.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		9	Personal	
Dodge 1500	ST172	9	Owned	
336 Excavator w/ thumb	EXC061		Owned	
DRYFX Dozer	DZR048		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
Gator	ATV014		Owned	
Grease Wall	GR3009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054		Owned	
Nissan Xterra	ST161	9	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	McMillin		Rental	
21.4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

8:00 Arrived at the site and began pumping water and set up a second 3" pump. Reviewing HASP and looking at the site with Gayle and Steve. 12:00 Lunch. 2:30 Kickoff meeting with El Paso, MWH, and RECON. 5:30 Left site. Steve Hickman mobed in from Hemphill Texas. Oscar Gonzalez mobed in from Oakcliff Texas.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/2/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 97

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	9.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					10.0
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					3.0

TOTAL RECON HOURS: 49.0

TOTAL HOURS: 23.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST172	9	Owned	
336 Excavator w/ thumb	EXC061		Owned	
DRYFX Dozer	DZR048	4	Owned	
TA 30 Off Road Truck	DPT058	4	Owned	
TA 30 Off Road Truck	DPT070		Owned	
Gator	ATV014	1	Owned	
Grease Wall	GR3009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161	10	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	McMillin	8	Rental	
21.4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety Meeting. 7:30 Excavate electrical ditch. Site and HASP orientation. 10:30 Electricraft arrived to hook up job shack. Hooked up new 3" suction hose to the pump. 12:00 Lunch. 1:00 Electricraft finished. Begin gravel road. Had to make a ramp to load offroad with the backhoe. 6:30 Left site. 8 loads of lines for the road.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/8/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Sunny 87

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnold	SSO				y	10.0
Steve Holdman	OPM				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					10.0
Matt Meyers	RECON					10.0

TOTAL RECON HOURS: 80.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ET122	10	Owned	
328 Excavator w/ thumb	EXC081		Owned	
D61PX Dozer	DZR048	10	Owned	
TA 30 Off Road Truck	DPT058	10	Owned	
TA 30 Off Road Truck	DPT070		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	10	Owned	
20' Conex	CON004	8	Owned	
Nissan Xterra	ET181	10	Owned	

TOTAL HOURS: 29.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Fuel and grease equipment. DZR048 has 8 grease fittings not taking grease. 8:30 Went to get gas for the water pumps. Placing fines on road. 12:00 Lunch. 12:30 Moved water pump to a different location on the pond. 1:30 FEDEX Delivered pipe welder and fittings. 3:30 Grouted end of pipe that drains west pond to ew pond. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Received pipe welder and fittings.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/9/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Sunny 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnold	SSO				y	10.0
Steve Holdman	OPM				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					10.0
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					6.0
Mike Davidson	MWH					3.0

TOTAL RECON HOURS: 80.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ET122	10	Owned	
328 Excavator w/ thumb	EXC081	8	Owned	
D61PX Dozer	DZR048	6	Owned	
TA 30 Off Road Truck	DPT058	8	Owned	
TA 30 Off Road Truck	DPT070		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Conex	CON004	8	Owned	
Nissan Xterra	ET181	10	Owned	

TOTAL HOURS: 29.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Moved pump to start pumping water from the west pond. 8:00 CAT arrived with EXC081. 9:00 Took excavator to stop water from leaking from west pond to se pond. Continued installing road to the Peeler site. 12:00 Lunch. 1:45 Took the excavator to se pond and dug sump for water pump. 3:30 Began investigating 4" line from MPA ground water sump. Located it in the north end by the casing. 5:30 Left site. 8 loads of road base.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $3,693.88.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/10/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnold	SSO				y	10.0
Steve Holdman	OPM				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				n	
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					2.5
Matt Meyers	RECON					2.5
Stuart Klaus	MWH					5.0

TOTAL RECON HOURS: 80.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ET122	10	Owned	
328 Excavator w/ thumb	EXC081		Owned	
D61PX Dozer	DZR048		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	10	Owned	
20' Conex	CON004	8	Owned	
Nissan Xterra	ET181	10	Owned	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Investigating 4" line for MPA ground water. 12:00 Lunch. 1:30 Finished locating pipe and casing at NE corner of the basin. 2:00 Finished pumping SE pond after last nights rain and then moved pump to the west pond. 3:00 Installed t-posts barricade around concrete drop inlet and covered. 3:30 Unloaded 8" pipe from FEDEX Freight. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

SK inch of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

8" pipe from ISCO.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/13/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 96

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnold	SSO				y	10.0
Steve Holdman	OPM				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0
Larry Nelson	CM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 70.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ET122	10	Owned	
328 Excavator w/ thumb	EXC081	4	Owned	
D61PX Dozer	DZR048	4	Owned	
TA 30 Off Road Truck	DPT058	4	Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPS007	6	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	4	Owned	
20' Conex	CON004	8	Owned	
Nissan Xterra	ET181	10	Owned	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ET198	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Setting up 4" pump to pump down west pond. 9:30 Weekly meeting. 4" pump would not prime itself. On further inspection of the pump the belt that runs the vacuum assist is worn out and needs replacing. Ordered one from the shop. 10:30 Started palcing road base on the entrance road in some potholes. 12:00 Lunch. 12:30 Moved 3" pump around to the north end of the SE pond and got the little bit of water left in there out. 2:00 Placed booms around pump discharge hoses and U-tube in the aeration ponds. 4:00 Started pumping down NW pond. 4:15 Started installing vents in conex. Finished one vent. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/14/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Holman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0
Lenny Nelson	CM				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MAH					5.0
Mike Davidson	MAH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
CAT Excavator w/ thumb	EXC081	2	Owned	
DR/PX Dozer	DZR048	2	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037	8	Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH016	3	Owned	
20' Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ST168	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Move other 3" pump to NW pond. 8:30 Installed second vent in conex. 8:30 Surveyors arrived to tape SE pond. 10:00 Added 4" suction to 4" pump. Had to slow down 4" pump to manage discharge levels. 12:30 Lunch. 12:30 Installed power line signs. 2:30 Begin installing holes in aeration lines. 4:00 Begin moving sediment from SE pond to the west pond. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/15/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Sunny 97

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Holman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				y	10.0
Lenny Nelson	CM				y	14.5

TOTAL RECON HOURS: 74.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MAH					5.0
Mike Davidson	MAH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
CAT Excavator w/ thumb	EXC081	10	Owned	
DR/PX Dozer	DZR048	10	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037	8	Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water from NW and W ponds. Sediment removal in SE pond, approximate sediment removal depth ranging from 12-inches up to 24-inches; MHH and RECON working closely to ensure only impacted material is being removed. Drilling holes in 8" pipe. 8:30 Cornejo delivered rail from El Paso site in Wichita. 12:00 Lunch. 12:30 Moved 6" and 4" pipe into work area from by the rock pile. Approximately 40% of sediment from SE pond is removed. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Cornejo delivered rails for anchoring 8" pipe.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/16/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Stormy Cool

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	5.0
Steve Holman	OPS				y	8.5
Oscar Gonzalez	LR				y	5.0
Justino Gonzalez	LR				y	5.0
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				n	
Lenny Nelson	CM					

TOTAL RECON HOURS: 34.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MAH					5.0
Mike Davidson	MAH					

TOTAL HOURS: 5.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	8	Owned	
CAT Excavator w/ thumb	EXC081	2	Owned	
DR/PX Dozer	DZR048	2	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037	4	Owned	
Gator	ATV014	1	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety meeting. 7:30 Continued sediment removal from SE pond and pumping water from NW pond. 8:10 Lightning shut down (stop work). Go to the office and review, revise, and sign off on JSA's. 9:00 Back to work. 9:45 Lighting shut down (stop work). Continue reviewing more JSA's. 12:00 Sent everyone home due to lightning and rain. Didn't accomplish much in the way of moving sediments. 2:00 Steve came back out and we worked on the 4" water pump (PPD037). 6:00 Left site. Received 1/2 inch of rain.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/17/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Holman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				n	
Stephen Berry	RSM				n	
Lenny Nelson	CM					

TOTAL RECON HOURS: 52.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MAH					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
CAT Excavator w/ thumb	EXC081	10.5	Owned	
DR/PX Dozer	DZR048	10.5	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037	8	Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO	3	Rental	
2006 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety meeting. 7:30 Continued sediment removal in the SE pond. Pumping water from NW pond and from the west pond. Finished drilling holes in 8" pipe. 12:00 Lunch. 2:00 Started working on welding 6" HDPE pipe. 95% of the sediment removed from SE pond. We will finish on Monday. Fedex delivered curtain for SE pond.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/20/11
DAY OF WEEK: Monday
WEATHER/TEMP: Windy 93

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LH				y	10.5
Justino Gonzalez	LH				y	10.5
Nicolas Gonzalez	LH				y	10.5
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	
				TOTAL RECON HOURS		62.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					8.0
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
				TOTAL HOURS		18.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
336 Excavator w/ thumb	EXC081	5	Owned	
D61PX Dozer	DZR048	5	Owned	
TA 30 Off Road Truck	OFT058		Owned	
TA 30 Off Road Truck	OFT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	3	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO	7	Rental	
2008 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sediment removal in SE pond. Moved 3" pumps around NW pond. 8:00 Started investigating the problem with the 4" pump. 8:30 Weekly meeting. 10:30 Finished sediment removal in SE pond. Moved HDPE welder 8" pipe. 12:00 Lunch. 4" Water Pump will be taken to shop for repairs 2:00 Surveyors arrived to TOPO SE pond and NW pond. Welded 80' of 8" aireation pipes and header together. 4:00 Removed cables that crossed the NW pond so the surveyors could drag their sled across for the TOPO. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/21/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LH				y	10.0
Justino Gonzalez	LH				y	10.0
Nicolas Gonzalez	LH				y	10.0
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	
				TOTAL RECON HOURS		60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					8.0
Mike Davidson	MWH					
				TOTAL HOURS		18.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC081	7	Owned	
D61PX Dozer	DZR048	6	Owned	
TA 30 Off Road Truck	OFT058	7	Owned	
TA 30 Off Road Truck	OFT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	4	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting; Site recieved 0.8 inches of rain overnight. 7:30 Continued pumping water from the west pond. Had to pump a little rain water from the se pond. Decon dozer. Delivered 4" water pump to Lee Mathews Equipment Inc. to get it worked on. 8:30 Best Supply arrived w/ 24" culvert for Plester road crossing. 11:00 Main hose on the water truck blew out. Called Cat to get them to fix it. 12:00 Lunch 12:30 Start placing fines on east perimeter road. 2:00 Scott with Geoshack arrived to train on the new GPS unit. 5:30 Left site. 11 loads of fines hauled on the perimeter road for road improvement.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Received 24" culvert from Best Supply.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/22/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Sunny 97

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LH				y	10.0
Justino Gonzalez	LH				y	10.0
Nicolas Gonzalez	LH				y	10.0
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	
				TOTAL RECON HOURS		60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
				TOTAL HOURS		20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
D61PX Dozer	DZR048	5	Owned	
TA 30 Off Road Truck	OFT058	8	Owned	
TA 30 Off Road Truck	OFT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Culvert installation on the Peister rd. Pumping down west pond. GPS training with Geoshack. 12:00 Lunch 12:30 Continued culvert installation. 3:00 Started placing riprap on culvert face. Finished Peister rd. 5:30 Leftsite. 8 loads of fines, 11 loads of road base, and 2 loads of riprap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/23/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LH				y	10.0
Justino Gonzalez	LH				y	10.0
Nicolas Gonzalez	LH				y	10.0
Stephen Berry	RSM				n	
Lenny Nelson	CM					
				TOTAL RECON HOURS		60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
				TOTAL HOURS		20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
D61PX Dozer	DZR048		Owned	
TA 30 Off Road Truck	OFT058	3	Owned	
TA 30 Off Road Truck	OFT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST168		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued pumping water. Started installing 8" aireation line and rail ties. 10:00 Removed line that connects west pond to se pond and repaired berm to open access road between SE pond and SW pond. 12:00 Lunch. 1:30 Started laying out turbidity curtain. 2:30 Screwed in anchors for curtain. 4:00 Finished banding 8" pipe and rail. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/24/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Hodman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Stephen Berry	RSM				n	
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					5.0
Stuart Klaus	MWH					

TOTAL RECON HOURS: 63.0 — TOTAL HOURS: 5.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
336 Excavator w/ thumb	EX0081	9	Owned	
D6 IPX Dozer	DZ6046		Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD007		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BH1016		Owned	
3P Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMan	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO	3	Rental	
2009 F250	ST198		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Extended safety meeting on Safety Takes Courage. 8:00 Installed anchor blocks on curtain. Removal of pipes in SE pond. 8:30 Best Supply delivered 6" line for rerouting of the line to the SE pond. 10:30 Begin removal of the fence to lay new out flow line. 12:00 Lunch. 12:30 Begin excavation of new outflow line. Installed discharge line of future hydraulic control structure and replaced fence fabric. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Best Supply delivered 6" pipe and fittings.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/27/11
DAY OF WEEK: Monday
WEATHER/TEMP: Windy 93

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hodman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					
Mike Davidson	MWH					

TOTAL RECON HOURS: 60.0 — TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EX0081	8	Owned	
D6 IPX Dozer	DZ6046	3	Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD007		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BH1016		Owned	
3P Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMan	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO	6	Rental	
2009 F250	ST198		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Started excavating 4" line into SE pond from hydraulic control structure. Finishing chain link fence repairs. 9:30 Weekly meeting. 12:00 Lunch. 1:00 Tied up ends of curtain. 3:00 Excavated for aireation line and welded 45's and 90 in place to get ready for 8" aireation tie in. 5:30 Left site

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/26/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Gayle Arnett	SSO				y	11.5
Steve Hodman	OPS				y	11.5
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 69.0 — TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Dodge 1500	ST122	11.5	Owned	
336 Excavator w/ thumb	EX0081		Owned	
D6 IPX Dozer	DZ6046		Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD007		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BH1016	11.5	Owned	
3P Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMan	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO	10	Rental	
2009 F250	ST198		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water from west pond. Begin excavation of 4" influent line on the west side of tracks. Fusing 4" line together for trench. 9:00 Belger Crane Service onsite to look at setting hydraulic control structure. 12:00 Lunch. 5:15 Encountered existing 4" pvc line and had to repair. Let sit overnight to let glue dry. 75% complete on trench excavation on west side of the tracks. 7:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 8/28/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Sunny 99

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Gayle Arnett	SSO				y	11.0
Steve Hodman	OPS				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Gonzalez	LR				y	11.0
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					6.0

TOTAL RECON HOURS: 66.0 — TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Dodge 1500	ST122	11	Owned	
336 Excavator w/ thumb	EX0081		Owned	
D6 IPX Dozer	DZ6046		Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD007		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BH1016	11	Owned	
3P Cones	CON054	8	Owned	
Nissan Xterra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMan	8	Rental	
2"-4" Pipe Welder	ISCO	11	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2009 F250	ST198		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Cleaning out excavation on west side of tracks for casing under tracks. Found that the pipe that went under the tracks was HDPE also. Fitted the 90's together and ready to hook up the main line. 8:30 Continued influent line excavation on west side of tracks. 11:30 Moved remaining 4" pipe in front of the office to weld together. 12:00 Lunch. 12:30 Started welding remaining 4" pipes together for various runs. 6:30 Reached sumps on south end of MPA. 8:30 Left site

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Waste connections delivered trash rolloff.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 6/30/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Hot 103

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Holzman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Francis	LR				y	10.5
Stephen Berry	RSM				n	
Lenny Nelson	CM					

TOTAL RECON HOURS: 63.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.5
Mike Davidson	MWH					

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
336 Excavator w/thumb	EXC081	9	Owned	
D61PX Dozer	DZ0046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	3.5	Owned	
20' Crane	CON004	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO	1	Rental	
6"-8" Pipe Welder	ISCO	9.5	Rental	
2006 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Finished excavating around MPA sump to prepare for hooking up new 4" line. Pumping water from the west pond. 9:00 Begin excavation on east side of tracks to locate casing. Welding 6" line. 10:30 Went to pickup oxygen and propane to cut casing. 11:30 Review jsa for cutting and welding and create jsap. 12:00 Lunch. 12:30 Issued hotwork permit and begin cutting casing for HDPE connection. 3:30 Finished cutting casing and welded 90 on and 40' of pipe. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

One bottle of oxygen and one bottle of propane from Mexis Breathe Easy.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/1/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	5.0
Gayle Arnett	SSO				y	5.0
Steve Holzman	OPS				y	5.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	5.0
Nicolas Francis	LR				y	5.0
Stephen Berry	RSM				n	
Lenny Nelson	CM					

TOTAL RECON HOURS: 25.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0

TOTAL HOURS: 5.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		5	Personal	
Dodge 1500	ST122	8	Owned	
336 Excavator w/thumb	EXC081	2.5	Owned	
D61PX Dozer	DZ0046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0027		Owned	
Gator	ATV014	3	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	2.5	Owned	
20' Crane	CON004	5	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Surveyed 4" HDPE line that we placed yesterday on the east side of the tracks. Surveyed exposed existing 4" pvc on west side of tracks. Welded cap on 4" line on east side of tracks and began backfilling excavation. 8:30 Moved 4" pipe for the west side of the tracks in place from the east side. 11:00 Replaced breaker on HDPE welder that kept tripping. Secured for rotation. 12:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/6/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cloudy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Holzman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Francis	LR				y	10.5
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 63.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
336 Excavator w/thumb	EXC081	8	Owned	
D61PX Dozer	DZ0046	8	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Crane	CON004	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO	8	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Lightning in the area and shut down. 8:00 Started working on the 4" pipe welding y's in on west side of the tracks. Locating 4" seepline to the APL 12:00 Lightning shutdown. Lunch. 1:00 Lightning shutdown over. Begin sediment removal in NW pond. 50% of sediment removal in the NW pond. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/7/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.0
Gayle Arnett	SSO				y	11.0
Steve Holzman	OPS				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Francis	LR				y	5.0
Stephen Berry	RSM				n	
Lenny Nelson	CM					

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					11.0
Mike Davidson	MWH					

TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Dodge 1500	ST122	11	Owned	
336 Excavator w/thumb	EXC081	8	Owned	
D61PX Dozer	DZ0046	8	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016		Owned	
20' Crane	CON004	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO	11	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2006 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued NW pond sediment removal. Continued welding 4" HDPE y's in and cleanouts. 12:00 Nicolas left on rotation. Lunch. Southwindoil delivered fuel. Worked on existing outflow to make it flow more water. Sediment removal 100% and waiting for surveyors who will be out on Monday. West side of tracks ready for testing and hook ups. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 7/6/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				n	
Stephen Berry	RSM				n	
Lenny Nelson	CM					

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MMH					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		10	Personal	
Dodge 1500	ST123	10	Owned	
336 Excavator w/ thumb	EXC061	8	Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40" Job Shack	MobMkt	8	Rental	
2"-4" Pipe Welder	ISCO	8	Rental	
6"-8" Pipe Welder	ISCO	8	Rental	
2008 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Move scrap box in front of fire water intake. Demo fire water intake bldg and load into scrap box. Called Allmetal to pick up box. Demo slabs on N end of NW pond. Welded clean outs on the 4" line in the sump area and welded clean outs on east side of tracks. 12:00 Lunch. 1:00 Went to Buckeye Supply to get parts for testing tree. 3:30 Began placing pea gravel in wet sumps on north end of nw pond. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 7/11/11
DAY OF WEEK: Monday
WEATHER/TEMP: Hot 105

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MMH					5.0
Mike Davidson	MMH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		10	Personal	
Dodge 1500	ST123	10	Owned	
336 Excavator w/ thumb	EXC061	2	Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40" Job Shack	MobMkt	8	Rental	
2"-4" Pipe Welder	ISCO	1	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin excavating trench for 4" line on east side of tracks. 10:00 Placed teflon tape on clean out plugs. 12:00 Lunch. 2:30 Capped line by MFA sumps. 3:30 Placed lines in trenches on east side of the tracks. 4:45 Installed testing tree on west side of tracks and ready to fill with water. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 7/12/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 101

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MMH					5.0
Mike Davidson	MMH					5.0

TOTAL HOURS: 20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		10	Personal	
Dodge 1500	ST123	10	Owned	
336 Excavator w/ thumb	EXC061		Owned	
DR1FX Dozer	DZR046	4	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40" Job Shack	MobMkt	8	Rental	
2"-4" Pipe Welder	ISCO	4	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin filling 4" line across the tracks w/ water truck. Found couple of leaks in flanges and cleanout caps and cracked valve. Replaced and filled line backup to begin test and could not get the hydrostatic pump to work. Pumped water that had built up in nw pond. 7:50 Surveyors arrived to topo nw pond. 12:00 Lunch. 12:30 Begin placing 4" line in for keep trench and welding cleanouts. 1:00 Begin grading nw pond. 2:30 United Rentals arrived to fix hydrostatic pump. 3:00 Started test on line on west side of tracks. Leaky cleanout cap. Fixed and continued test. 3:50 Started 50 psi test. Lost 3 psi in 1 hr. 4:50 Started 40 psi test. Lost 8 psi. 5:15 Lightning. 5:30 Sent everyone home. 5:50 Finished and passed 4" line on west side of tracks.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 7/13/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 98

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Lenny Nelson	CM				n	

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MMH					10.0
Mike Davidson	MMH					

TOTAL HOURS: 20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		10	Personal	
Dodge 1500	ST123	10	Owned	
336 Excavator w/ thumb	EXC061		Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40" Job Shack	MobMkt	8	Rental	
2"-4" Pipe Welder	ISCO	2	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Bolting up flanges and valves to get ready to test line on east side of tracks. 8:00 Foley Cat delivered 6" pump and discharge hoses. 10:00 Set up pump and began pumping from ne pond to the existing weir discharge. 11:00 Filled water truck for hydrostatic test. 12:00 Lunch. 1:00 Started filling line w/ water for test. 1:15 Started 50 psi test to let the pipe expand. Found couple of leaks on threaded caps and tightened, pressure stabilized once expansion complete. 3:30 Started 40 psi test. Gained 1 psi. 4:30 Passed test and removed flanges and test tree. Installed T for temporary line. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/14/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 98

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Dyas Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Larry Nelson	CM					
				TOTAL RECON HOURS		60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
				TOTAL HOURS		10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC061	7	Owned	
D61PX Dozer	DZR046	2	Owned	
TA 30 Off Road Truck	OPT058		Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH015	1	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mobilm	8	Rental	
2"-4" Pipe Welder	ISCO	1	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2009 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin backfilling trench. Welded east connection by tracks. Placing waterline warning tape within the top foot. 9:00 Torch cut two wells. 10:30 Unloaded water and supplies. 2- 24" HDPE corrugated pipes were delivered 12:00 Lunch. 12:30 Placed life rings on poles around the se pond. 1:00 Rented trailer and went to Wichita to pick up oil water separator and take back hydrostatic pump back to United rentals. 2:00 Started backfilling on west side of tracks and placing warning tape within top foot. 5:00 Unloading oil water separator w/ backhoe. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/15/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 105

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Dyas Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Larry Nelson	CM					
				TOTAL RECON HOURS		60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
				TOTAL HOURS		10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC061	10	Owned	
D61PX Dozer	DZR046	1	Owned	
TA 30 Off Road Truck	OPT058		Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH015	2	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mobilm	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2009 F250	ST166		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Backfilling 4" HDPE on west side of tracks. Cleaning oil water separator. 3 guys and the water truck. 12:00 Finished cleaning oil water separator and ready to install. Lunch. 12:30 Installing pipe to oil water separator. Backfilling line on west side of tracks. Pushed concrete into NW pond. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/18/11
DAY OF WEEK: Monday
WEATHER/TEMP: Hot 105

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Dyas Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS		70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
				TOTAL HOURS		10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC061	2	Owned	
D61PX Dozer	DZR046		Owned	
TA 30 Off Road Truck	OPT058		Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH015	8	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mobilm	8	Rental	
2"-4" Pipe Welder	ISCO	1	Rental	
6"-8" Pipe Welder	ISCO		Rental	
2009 F250	ST166	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Finished gluing 4" line to ows. 8:15 Started fitting 4" line @ mpe sumps. Discovered a leak in the existing 4" line. Exploring the line with the backhoe. 8:30 Weekly meeting. 12:00 Lunch. 4:15 Fixed leak and finished conections at the sumps Started 3" to 4" connection. Backfilling 4" line across channel. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/19/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 105

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Dyas Arnett	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS		70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					2.0
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
				TOTAL HOURS		12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC061	8	Owned	
D61PX Dozer	DZR046		Owned	
TA 30 Off Road Truck	OPT058		Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH015	1	Owned	
20' Conex	CON054	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mobilm	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO	8	Rental	
2009 F250	ST166	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Make 3" to 4" conection and turned seep trench on to fill oil water separator. Working on 8" blower line. 8:00 Young Electric onsite to perform electrical demo of unused electrical. 12:00 Lunch. 1:45 The pipe coming from the blower is 10" and not 8" so a new coupling is required. 2:30 Begin excavating for HCS No 5. Watering roads. Banded remaining 8" blower line to the rail. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/20/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 103

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Rick Meyers	RECON					10.0
Gayle Arnett	SSO				y	10.0	Matt Meyers	RECON					
Steve Hickman	OPII				y	10.0	Stuart Klaus	MWH					5.0
Oscar Gonzalez	LIII				y	10.0	Mike Davidson	MWH					5.0
Justino Gonzalez	LIII				y	10.0							
Nicolas Franco	LIII				y	10.0							
Stephen Berry	RSM				n								
Lanny Nelson	CM				y	10.0							
TOTAL RECON HOURS						70.0	TOTAL HOURS						20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal		40' Job Shack	MobMini	8	Rental	
Dodge 1500	ST122	10	Owned		2"-4" Pipe Welder	ISCO		Rental	
336 Excavator w/ thumb	EXC081	7	Owned		6"-8" Pipe Welder	ISCO	4	Rental	
D61PX Dozer	DZR040		Owned		2008 F250	ST186	10	Owned	
TA 30 Off Road Truck	OPT056		Owned						
TA 30 Off Road Truck	OPT070		Owned						
4" Water Pump	PPD037		Owned						
Gator	ATV014	8	Owned						
Grease Skid	GRS009	1	Owned						
310G JD Backhoe	BKH016	3	Owned						
20' Conex	CON054	8	Owned						
Nissan Xterra	ST181		Owned						

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Excavating for HCS No 3. Watering roads. Hooked up MWH's 1 1/2 inch pump to pump water out of the API. 10:00 Placed lines in bottom of excavation for HCS No 3. Welding remaining 6" pipe together. Backfilling 3" to 4" conection. 12:00 Lunch. Backfilling pipes in sump area 3:30 Begin removing topsoil from berms around the ponds. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/21/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 106

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Rick Meyers	RECON					10.0
Gayle Arnett	SSO				y	10.0	Matt Meyers	RECON					
Steve Hickman	OPII				y	10.0	Stuart Klaus	MWH					5.0
Oscar Gonzalez	LIII				y	10.0	Mike Davidson	MWH					5.0
Justino Gonzalez	LIII				y	10.0							
Nicolas Franco	LIII				y	10.0							
Stephen Berry	RSM				n								
Lanny Nelson	CM				y	10.0							
TOTAL RECON HOURS						70.0	TOTAL HOURS						20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal		40' Job Shack	MobMini	8	Rental	
Dodge 1500	ST122	10	Owned		2"-4" Pipe Welder	ISCO	2	Rental	
336 Excavator w/ thumb	EXC081	6	Owned		6"-8" Pipe Welder	ISCO		Rental	
D61PX Dozer	DZR040		Owned		2008 F250	ST186	10	Owned	
TA 30 Off Road Truck	OPT056		Owned						
TA 30 Off Road Truck	OPT070		Owned						
4" Water Pump	PPD037		Owned						
Gator	ATV014	8	Owned						
Grease Skid	GRS009	1	Owned						
310G JD Backhoe	BKH016	2	Owned						
20' Conex	CON054	8	Owned						
Nissan Xterra	ST181		Owned						

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prepared for crane and HCS No. 3. 7:45 HCS No.3 Arrived from Wichita Concrete. 8:15 Belger Crane arrived. Went over JSA with crew, crane operator, and truck driver. 9:45 Set HCS No. 3. 10:30 Crane left site. Welded pipes into HCS No. 3. 12:00 Lunch. 1:30 Put 3" pump around 2nd pond to 3rd pond to help water flow. Lowered 6" pump closer to the pond to get more water out. 3:15 Wichita Concrete Pipe arrived to install wier gate and valves in HCS No. 3. 5:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

HCS No.3 delivered. Belger Crane Service set HCS No. 3.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/22/11
DAY OF WEEK: Friday
WEATHER/TEMP: clear 107

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Lanny Nelson	CM			0.5	y	11.5							
Gayle Arnett	SSO			0.5	y	10.0							
Steve Hickman	OP111			0.5	y	10.0							
Oscar Gonzalez	L111			0.5	y	10.0							
Justino Gonzalez	L111			0.5	y	10.0							
Nicolas Franco	L111			0.5	y	10.0							
Jon Richardson	Sup				y								
Rick Meyer	PM					5.0							
TOTAL RECON HOURS						66.5	TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck/ford F250	ST186	11.5	owned	Lanny	20' conex	CON054	8	OWNED	
Dodge truck	ST122	10	owned	SSO	40' Job Shack	Mob Mini	8	Rental	
336 cat Excavator w/thumb	Exc081	4	owned		2"-4" pipe welder	ISCO		Rental	
D61PXDozer	DZ r040	4	owned		4"-8" pipe welder	ISCO		rental	
TA30 off Road truck	OPT056		owned		3" pump w/ suction and discharge		8	owned	
TA30 off Road truck	OPT070		owned						
6" pump w/suction discharge		2	Rental						
Gator	ATV014	8	owned						
Grease Skid	GRS009	1	owned						
310G JD Backhoe	BKH016		owned						

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 Hours Safety meeting. 0730 started backfilling around HCS No. 3 - started pumping around 2nd to 3rd pond and first pond to second pond . 1000 hours Steve Hickman backed D61 dozer into a pole that held electrical power components that power to sump pumps for a collection system,called Gayle to meet me down at new HCS. Had crew keep pumping ponds and put PVC pipe up around power poles and sampling wells for markers that way they can be more visible. 1530 hours Gayle and Steve back on site and resume work. Having Steve breach dike between 4th and polishing pond. Hauled three loads of top soil to concrete pad. 1730 hours left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Near miss shut down some of our operation for 5.5 hours for report and taking operator for drug test. Young Electrial came to repair electrial supply to sump pump number three they was on site from 1330 to 1730 hours. Bryan Rienhart, Matt Coffman was there from Young

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: Lanny D Nelson

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/25/11
DAY OF WEEK: Monday
WEATHER/TEMP: partly cloudy 98

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Lanny Nelson	CM			0.5	Y	10.5							
Gayle Arnett	SSO			0.5	Y	10.0							
Steve Hickman	OP111			0.5	Y	10.0							
Oscar Gonzalez	L111			0.5	Y	10.0							
Justino Gonzalez	L111			0.5	Y	10.0							
Nicolas Franco	L111			0.5	Y	10.0							
TOTAL RECON HOURS						60.5	TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck F250 Ford	ST186	10.5	OWNED	Lanny	20' Conex	CON054	8	OWNED	
Dodge 1500 truck	ST122	10	Owned	SSO	40' Job Shack	Mob Mini	8	Owned	
336 Excavator W/thumb	EXC081	3.5	Owned		2"-4" pipe welder	ISCO		Rental	
D61PX Dozer	DZR040		Owned		6"-8" pipe welder	ISCO		Rental	
TA 30 off road truck	OPT056	3	Owned		3- 3" pump w/ suction&discharge			Owned	one ran 2 hrs.
TA 30 off road truck	OPT070		Owned		2000 Gal water truck	Foley	8	Rental	
[illegible]			Rental						
Gator	ATV014	8	Owned						
Grease Skid	GRS009	1	Owned						
310G JD Backhoe	BKH016		Owned						

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 Hours held Safety meeting, 0730 started digging trench to put in back wash line at new basin. Started 3" pumps to pump water from pond one to two and then to three. 0930 hours went to meeting with MWH over phone. 1025 Hours meeting over . Went to buckeye supply to get two 20' 4" pvc pipe. 1100 hours starting to put pipe together for back wash line. 1200 breaking for lunch. 1230 back to work started back filling around pipe with fines and then with clay, put marker tape over line. 1315 hours started cleaning pit on decon pad, I went to get some straw bales to put around pit. 1400 hours started hauling top soil. We water roads today for six hours also put grass seed down back the new out fall and watered. Hauled seven loads of top soil to decon pad. 1730hours leaving site

COMMUNICATIONS WITH OVERSIGHT / CLIENT / ENGINEER

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Foley was on site today to service 336 cat excavator he was on site for four hours. Wichita concrete drop grates for all three HCS at 1600 hours Supplies— 2- 20'- 4" PVC pipe from buckeye supply co. Wichita welding flat soap stone $4.06 Sutherlands weed barrier $11.82 Triple S ranch supply 8 bale of straw $38.36 Walmart 2 ink pens and grass seed $56.40 Sunny stop 2 large bags of ice $7.94

SUPERINTENDENT SIGNATURE: Lanny D Nelson

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/26/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Partly cloudy 103

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Lenny Nelson	CM			0.5	Y	10.5
Gayle Arnett	SSO			0.5	Y	10.0
Steve Hickman	OP111			0.5	Y	10.0
Oscar Gonzalez	L111			0.5	Y	10.0
Justino Gonzalez	L111			0.5	Y	10.0
Nicolas Franco	L111			0.5	Y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 85.5

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site truck F250 Ford	ST169	10	OWNED	lenny
Dodge truck	ST122	10	owned	SSO
336 Excavator w/thumb	EXC081	4	owned	
D61PX Dozer	DZR046		owned	
TA 30 off road truck	DPT056		owned	
TA 30 off road truck	DPT070		owned	
6" pump w/ suction & discharge			Rental	
Gator	ATV014	8	owned	
Grease Skid	GRS009		owned	
310G JD backhoe	BKH016	4.5	Owned	

EQUIPMENT:	ID	Hours	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' conex	conx004	8	Owned	
40' Job Shack	mob mini	8	Rental	
2"-4" pipe welder	ISCO		Rental	
6"-8" pipe welder	ISCO		Rental	
3- 3" pumps w/ suction and discharge			owned	
2000 Gal water truck			Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 held safety meeting 0720 hours went over about cutting pipe and making hook up from 10" steel to 8" HDEP pipe. 1200 hours finish with hook up of line and tested. Breaking for lunch.1230 hours starting to back fill on inside of pond on slope and outside on dike coving up pipe. 1330 completed that task and now starting to look for clean out on 8" PVC water line. 1545 hours started digging up dike to hook up to 8" PVC line. 1600 hours moving pumps around to start pumping water to south east ponds. 1730 hours shutting down for the day and leaving site; dike digging very difficult.

Communications with oversite/ Client/ Engineer

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Foley change out water truck because the one was stuck in reverse, this was done at 1515 hours.

SUPERINTENDENT SIGNATURE: Lenny Nelson
CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/27/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: clear

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Lenny Nelson	CM			0.5	Y	13.0
Gayle Arnett	SSO			0.5	Y	11.5
Steve Hickman	PO			0.5	Y	11.5
Oscar Gonzalez	L111			0.5	Y	11.5
Justino Gonzalez	L111			0.5	Y	11.5
Nicolas Franco	L111			0.5	Y	11.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 70.5

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site truck F250 ford	ST 156	13	OWNED	Lenny
Dodge truck	ST122	12	Owned	SSO
336 Cat excavator W/ thumb	EXC081	2	Owned	
D61 PX Dozer	DZR046		Owned	
TA30 off road truck	DPT056		Owned	
TA30 off road truck	DPT070		Owned	
6" pump w/suction &discharge		12	Rental	
Gator	ATV014	6	Owned	
Grease Skid	GRS009		Owned	
310G JD backhoe	BKH016	12	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' conex	CONX04	8	OWNED	
40' Job Shack	Mob Mini	8	Rental	
2"-4" pipe welder	ISCO		Rental	
6"-8" pipe welder	ISCO		Rental	
3- 3" pumps w/suction &discharge		8	Owned	
2000 Gal water truck	Foley rat	6	Rental	
single axle trailer	U-Haul	3	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 held safety meeting 0745 cutting plate off 310 backhoe to dig better. 0900 starting to dig ditch for 6" water line going to southeast pond. Ground is as hard as a rock. 1030hrs. Young is on site to change out power box on pole by compressor building.1230 hours breaking for lunch 1300 hrs having Steve to remove some of the pipes from pond because we are near Young Elect. with the backhoe and we are going to wait until they are done for safety, to many people in one small area. 1315 hours went to Wichita to pick 550 gal. tank.1530hours return to site young left site at 1511 hrs. Crew settling up to start digging again. I unloaded tank and return U-Haul trailer. Return to site and went back to help put in 6" pipe. 1846 completed with 6" pipe and back filled trench. In the morning we will compact the trench. 1900 hours leaving site.

Communications with oversight / Client / Engineer

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

P.B. Heidale 550 gal tank $1025.00 U-Haul trailer $ 24.95

Supervisor Lenny Nelson
CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/2/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Dwight Arnett	SSO				y	10.5
Steve Hickman	OP6				y	10.5
Oscar Gonzalez	L6				y	10.5
Justino Gonzalez	L6				y	10.5
Nicolas Franco	L6				y	
Stephen Berry	R3M				n	
Lenny Nelson	CM				n	
Richard (Trap) Gonzalez	OP6				y	2.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.5
Stuart Klaus	MWH					
Mike Davidson	MWH					

TOTAL RECON HOURS: 94.5

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck			Personal	
Dodge 1500	ST122	10.5	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61PX Dozer	DZR046	2	Owned	
TA 30 Off Road Truck	DPT056	5	Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0057		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CONX04	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2000 F250	ST169		Owned	
2000 Gal Water Truck	Foley		Rental	
6" Water pump	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued pumping water from east ponds. 8:00 Rerouted 6" line into west pond due to increase in sediment. 3" pump area to west pond. Other 3" pump pumping to the se pond. 9:30 Begin preparing rip-rap berm for hauling to NW pond. 12:00 Lunch. 1:00 Begin hauling rock from berm to NW pond. Using dozer to push it off. 6:00 Left site. 32 loads of rock to the nw pond. Surveyors survey'd the protruding pond on Monday; pumped water throughout the weekend.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Battery for the gator from Bumper to Bumper $86.42.

SUPERINTENDENT SIGNATURE:
CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/3/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Dwight Arnett	SSO				y	10.5
Steve Hickman	OP6				y	10.5
Oscar Gonzalez	L6				y	10.5
Justino Gonzalez	L6				y	10.5
Nicolas Franco	L6				y	
Stephen Berry	R3M				n	
Lenny Nelson	CM				n	
Richard (Trap) Gonzalez	OP6				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.5
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 85.0

TOTAL HOURS: 20.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		2	Personal	
Dodge 1500	ST122	10.5	Owned	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61PX Dozer	DZR046	10.5	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	
4" Water Pump	PP0057		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CONX04	8	Owned	
Nissan Xterra	ST161		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2000 F250	ST169		Owned	
2000 Gal Water Truck	Foley		Rental	
6" Water pump	Foley	6	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued pumping water from east ponds to west ponds. Loading and hauling rip rap berm to nw pond using dozer to push it off. 10:00 Mobil Mini arrived to work on door of trailer and had to replace door. Took valve to welding shop to get a handle made for it. 12:00 Lunch. 12:30 Moved one 3" pump to a new location. 2:30 Moved other 3" pump to a new location. 6:00 Left site. 46 loads of rock from berm into the primary pond.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:
CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3528
DATE: 6/6/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Hickman	OPII				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Stephen Berry	RSM				n	
Leroy Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	10.5

TOTAL RECON HOURS: 73.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					8.0
Stuart Klaus	MWH					10.5
Mike Davidson	MWH					5.0

TOTAL HOURS: 21.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST123	10.5	Owned	
335 Excavator w/thumb	EXC081	10.5	Owned	
D6RXR Dozer	DZR048	10.5	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	
4" Water Pump	FPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
2100 JD Backhoe	BKH016	2	Owned	
20' Conex	CON054	8	Owned	
Nissan Sierra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST188		Owned	
2000 Gal Water Truck	Foley	1	Rental	
8" Water pump	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued pumping water from east ponds to the west pond. Laying down cat tails with excavator so surveyors could Topo pond. Surveyors arrived to topo east ponds. Placed 8" pump on new pond to circulate water behind curtain. MWH had Hogoboom onsite to pump out oil from API. 8:45 Jit went to get annual 40 hr physical in Wichita. 12:00 Lunch. 1:00 Surveyors finished up. 3:30 Begin digging bench in berm to move sediment across and give more clearance under powerlines. 5:30 Placed fabric on grating of decon pad. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3528
DATE: 6/8/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 105

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Stephen Berry	RSM				n	
Leroy Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST123	10	Owned	
335 Excavator w/thumb	EXC081	10	Owned	
D6RXR Dozer	DZR048	10	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	FPD037		Owned	
Gator	ATV014	6	Owned	
Grease Skid	GRS009	1	Owned	
2100 JD Backhoe	BKH016	5	Owned	
20' Conex	CON054	8	Owned	
Nissan Sierra	ST181		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST188		Owned	
2000 Gal Water Truck	Foley	5	Rental	
8" Water pump	Foley	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued loading soil for bench. Hauling with offroad truck and stockpiling with dozer. Fueled and started 8" pump to circulate water in new SE pond. 9:30 Began removing pipes and conduit from outside the api. 11:00 Begin sediment removal from east ponds. 12:00 Lunch. 12:30 Hogoboom arrived to begin vacuumming out api. 35% complete with api.. 5pm stop sediment removal of API and East ponds. Leave site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3528
DATE: 6/6/11
DAY OF WEEK: Monday
WEATHER/TEMP: Hot 99

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Gayle Arnett	SSO				y	11.0
Steve Hickman	OPII				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Stephen Berry	RSM				n	
Leroy Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	11.0

TOTAL RECON HOURS: 77.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					11.0
Mike Davidson	MWH					

TOTAL HOURS: 11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Dodge 1500	ST123	11	Owned	
335 Excavator w/thumb	EXC081	11	Owned	
D6RXR Dozer	DZR048	11	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	FPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
2100 JD Backhoe	BKH016		Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST188		Owned	
2000 Gal Water Truck	Foley	11	Rental	
8" Water pump	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sediment removal from the api w/ Hogoboom. Continued sediment removal from east ponds. 8:30 Weekly meeting. 12:00 Lunch. Hogoboom switched drivers. 1:00 Took soil samples of west pond and sent to Matt. 40% complete with api sediment removal. 20% Complete with sediment removal east ponds. 6:30 Leftsite.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3528
DATE: 6/9/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Gayle Arnett	SSO				y	11.0
Steve Hickman	OPII				y	11.5
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Stephen Berry	RSM				n	
Leroy Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	11.0

TOTAL RECON HOURS: 78.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					8.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 13.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11.5	Personal	
Dodge 1500	ST123	11	Owned	
335 Excavator w/thumb	EXC081	11	Owned	
D6RXR Dozer	DZR048	11	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	FPD037		Owned	
Gator	ATV014		Owned	
Grease Skid	GRS009	1	Owned	
2100 JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2"-4" Pipe Welder	ISCO		Rental	
6"-8" Pipe Welder	ISCO		Rental	
2008 F250	ST188		Owned	
2000 Gal Water Truck	Foley	11	Rental	
8" Water pump	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Arrived at site and found we had been broken into and some items taken. 6:40 Called Matt Meyers. 6:45 Called Sheriff's Department. 7:30 Sheriff's department arrived and started investigating. 7:45 Safety Meeting. 8:15 Continued sediment removal from east ponds. Continued cleaning sediment from API. Circulating water in new aeration pond w/ 8" pump. 9:00 Searching for gate parts that were in the bushes. Assessing the damages. Cleaned up glass in the office from the broken window. 12:00 Lunch. 4:15 Found JD Gator about 1 mile from the site hidden in the bushes. Called Sheriff's dept back out. 5:00 Mobil Mini delivered 20' conex for ATV storage. API sediment removal at 95%, hauled 7 loads @ 75 barrels each; pond sediment removal at 30%. 6:30 Left site. 7:00 Steve and I carried valuables to El Paso Office.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Mobil Mini delivered 20' conex.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/10/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Rain 85

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Hickman	OPII				y	10.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Franco	LII				y	10.5
Stephan Berry	RSM				n	
Lenny Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	10.5
					TOTAL RECON HOURS	73.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.5
					TOTAL HOURS	10.5

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
Site Truck		10.5	Personal
Dodge 1500	ST122	10.5	Owned
336 Excavator w/ thumb	EXC001	10.5	Owned
D61PX Dozer	DZR048	10.5	Owned
TA 30 Off Road Truck	OPT058		Owned
TA 30 Off Road Truck	OPT070		Owned
4" Water Pump	PPD037		Owned
Gator	ATV014	10.5	Owned
Grease Skid	GRS009	1	Owned
310G JD Backhoe	BKH016	8	Owned
20' Conex	CON004	8	Owned
20' Conex	MobMini	8	Rental

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
40' Job Shack	MobMini	8	Rental
2"-4" Pipe Welder	ISCO		Rental
6"-8" Pipe Welder	ISCO		Rental
2009 F250	ST166		Owned
2000 Gal Water Truck	Foley	10.5	Rental
8" Water pump	Foley		Rental

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Lightning shutdown. 8:00 Continued removing sediment from east ponds. Continued vacuuming out api. Rolling up hoses for 8" pump and getting 8" pump to the office. Placing road base on the road for the vac truck because of the rain. 11:15 Lightning shutdown and lunch. 12:00 Back to work. Fueled 8" water pump. Picked up hoses and loaded into the back of Gayles truck. Tried to get the lights to work on the pump and couldn't so we got Foley to pick it up. 2:00 Gayle left to return pump hoses and pick up ducts for confined space blowers from Grainger and Hotwater pressure washer from Superior Service. 100% Sediment removal in API. 35 % Sediment removal in ponds. 5:30 Fueled and greased. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

8" Pump returned to Foley. Rented hot water pressure washer from Superior Service. Purchased ducts for blowers from Grainger.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/11/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Gayle Arnett	SSO				y	11.0
Steve Hickman	OPII				y	11.0
Oscar Gonzalez	LII				y	11.0
Justino Gonzalez	LII				y	11.0
Nicolas Franco	LII				y	11.0
Stephan Berry	RSM				n	
Lenny Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	11.0
					TOTAL RECON HOURS	77.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
					TOTAL HOURS	10.0

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
Site Truck		11	Personal
Dodge 1500	ST122	11	Owned
336 Excavator w/ thumb	EXC001	11	Owned
D61PX Dozer	DZR048	11	Owned
TA 30 Off Road Truck	OPT058		Owned
TA 30 Off Road Truck	OPT070		Owned
4" Water Pump	PPD037		Owned
Gator	ATV014	8	Owned
Grease Skid	GRS009	1	Owned
310G JD Backhoe	BKH016	5	Owned
20' Conex	CON004	8	Owned
20' Conex	MobMini	8	Rental

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
40' Job Shack	MobMini	8	Rental
2"-4" Pipe Welder	ISCO		Rental
6"-8" Pipe Welder	ISCO		Rental
2009 F250	ST166		Owned
2000 Gal Water Truck	Foley	5	Rental
8" Water pump	Foley		Rental

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sediment removal in east ponds. Getting HDPE welders ready for shipment. Sprayed Bio solv on walls in api and let soak. Worked on JMP to pick up water. Worked on JSA's for confined space and pressure washing. 12:00 Lunch. 12:30 Went to get water from the water dept. 1:30 Begin pressure washing walls in api. 2:30 Stopped and decided to go in api and get debris out before we built up much water to prevent clogging the pump. While in the api we tried scraping the walls with a scraper and determined that this would be the best way to get the thick build up off of the wall. 6:00 Fueling and greasing equipment. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

non entry rescue arrived from Argus-hazco.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/12/11
DAY OF WEEK: Friday
WEATHER/TEMP: Rainy 75

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	6.0
Gayle Arnett	SSO				y	6.0
Steve Hickman	OPII				y	6.0
Oscar Gonzalez	LII				y	6.0
Justino Gonzalez	LII				y	6.0
Nicolas Franco	LII				y	6.0
Stephan Berry	RSM				n	
Lenny Nelson	CM				n	
Richard (Yogi) Guajardo	OPII				y	6.0
					TOTAL RECON HOURS	42.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					6.0
Hogoboom						
					TOTAL HOURS	6.0

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
Site Truck		6	Personal
Dodge 1500	ST122	6	Owned
336 Excavator w/ thumb	EXC001	4	Owned
D61PX Dozer	DZR048	4	Owned
TA 30 Off Road Truck	OPT058		Owned
TA 30 Off Road Truck	OPT070		Owned
4" Water Pump	PPD037		Owned
Gator	ATV014	6	Owned
Grease Skid	GRS009		Owned
310G JD Backhoe	BKH016	2	Owned
20' Conex	CON004	6	Owned
20' Conex	MobMini	6	Rental

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
40' Job Shack	MobMini	8	Rental
2"-4" Pipe Welder	ISCO		Rental
6"-8" Pipe Welder	ISCO		Rental
2009 F250	ST166		Owned
2000 Gal Water Truck	Foley		Rental
8" Water pump	Foley		Rental

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sediment removal from east pond. Setting up for entry in api. Excavating trench for the flow meter using the backhoe. 8:00 Lightning shut down. 8:25 Young Electric arrived to install flow meter in HCS no. 3. 9:45 Back to work. Moved tank to the other side of the tracks. 11:00 Working on removing chain from other side of the api. 12:10 Lunch more lightning. 1:00 Left site because of lightning and continued unfavorable weather forecast.. 15% on cleaning api. 43% on sediment removal on the east ponds.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/15/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Hickman	OPII				y	10.5
Oscar Gonzalez	LII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Franco	LII				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
					TOTAL RECON HOURS	73.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.5
					TOTAL HOURS	10.5

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
Site Truck		10.5	Personal
Dodge 1500	ST122	10.5	Owned
336 Excavator w/ thumb	EXC001	10.5	Owned
D61PX Dozer	DZR048	10.5	Owned
TA 30 Off Road Truck	OPT058		Owned
TA 30 Off Road Truck	OPT070		Owned
4" Water Pump	PPD037		Owned
Gator	ATV014		Owned
Grease Skid	GRS009	1	Owned
310G JD Backhoe	BKH016	8	Owned
20' Conex	CON004	8	Owned
20' Conex	MobMini	8	Rental

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.
40' Job Shack	MobMini	8	Rental
2000 Gal Water Truck	Foley	1	Rental

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water from east pond to the west pond. Pushing sediment beside area of water so when water is gone it can be pushed in the sump for the excavator to place in west pond. Pumping water from api that accumulated from the rain. Getting ready to go in and continue cleaning. Electricians out to finish hooking up flow meter in HCS no 3. Removing skimmer chain in east side of the api and various pipes and metal around with the excavator and loading into the scrap box. Sent one scrap box off to Allmetal. 8:30 Weekly meeting. 10:00 Finished pumping water in the api and begin cleaning the inside. Using backhoe to haul scrapings and sediments to the west pond. Removing pipes along the west side of the polishing pond. 11:00 First load of grout arrived for the drop inlets and poured in the west inlet. 12:00 Lunch. 12:18 Second load of grout arrived and put in the east inlet and north end of the api. 2:28 Finished scraping and cleaning west side and moved to the east side. 6:00 Left site. 45% done with cleaning the api. 45% on the sediment removal in east ponds.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Little water in work areas from the rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

18 cyds of grout from CMC.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 8/15/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 103

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPII				y	10.0
Oscar Gonzalez	Lit				y	10.0
Justino Gonzalez	Lit				y	10.0
Nicolas Franco	Lit				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 70.0 | TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		10	Personal	
Dodge 1500	8T122	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
3616FX Dozer	DZR046	10	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
3100 JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	Mid-Mo	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mid-Mo	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumped ground water from east ponds. Continued sediment removal from east ponds. Continued scraping eastside of api. 8:00 Went to meet with UPS driver to get other wench for confined space. 11:00 The sediment in the east side sump is set up like concrete. Bought pick to get it out. 12:00 Lunch. 3:30 Finished picking out sump. Scraping southend of api. Southwind Oil delivered fuel. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind delivered fuel.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 990-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 8/17/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Hickman	OPII				y	10.5
Oscar Gonzalez	Lit				y	10.5
Justino Gonzalez	Lit				y	10.5
Nicolas Franco	Lit				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.5
Mike Davidson	MWH					

TOTAL RECON HOURS: 73.5 | TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		10.5	Personal	
Dodge 1500	8T122	10.5	Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
3616FX Dozer	DZR046	10.5	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
3100 JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	Mid-Mo	9	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mid-Mo	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued cleaning slopes on east pond. Continued scraping api walls. Continued removing pipes around the ponds. 9:30 Foley delivered welder to Steve and I began fixing pin holder on the bucket of EXC081. 12:00 Finished welding pin. Lunch. 1:00 Surveyors arrived to topo polishing pond and aeration pond #5. I layed out stakes to make the cuts in the polishing pond and fill in the trench in the 3rd aeration pond. 2:30 Finished polishing pond and aeration #5. Removed concrete from fire water intake building. 3:00 Started cutting 0.40' from the polishing pond. Backfilling first sump. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 990-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 8/18/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 103

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Gayle Arnett	SSO				y	11.5
Steve Hickman	OPII				y	11.5
Oscar Gonzalez	Lit				y	11.5
Justino Gonzalez	Lit				y	11.5
Nicolas Franco	Lit				y	11.5
Richard (Yogi) Guajardo	OPII				y	11.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 80.5 | TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		11.5	Personal	
Dodge 1500	8T122	11.5	Owned	
336 Excavator w/ thumb	EXC081	11.5	Owned	
3616FX Dozer	DZR046	11.5	Owned	
TA 30 Off Road Truck	DPT056	11.5	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
3100 JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	Mid-Mo	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mid-Mo	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin backfilling first sediment removal bench and excavating second using 2 off roads, excavator, and dozer. Finishing .40' cut on polishing pond. Finish scraping inside of api. 11:00 Begin cutting metal out of api. 12:00 Lunch. 100% cutting metal from api and ready to power wash. 100% on second bench and ready to start sediment removal in the morning. 7:00 Left site. 31 loads of soil for bench.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

1 bottle of oxygen from Max's Breathe Easy.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 990-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 8/19/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.5
Gayle Arnett	SSO				y	
Steve Hickman	OPII				y	8.5
Oscar Gonzalez	Lit				y	
Justino Gonzalez	Lit				y	8.5
Nicolas Franco	Lit				y	8.5
Richard (Yogi) Guajardo	OPII				y	8.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					8.5

TOTAL RECON HOURS: 42.5 | TOTAL HOURS: 8.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Mix Truck		8.5	Personal	
Dodge 1500	8T122		Owned	
336 Excavator w/ thumb	EXC081	8.5	Owned	
3616FX Dozer	DZR046	8.5	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
3100 JD Backhoe	BKH016	2	Owned	
20' Conex	CON004	8	Owned	
20' Conex	Mid-Mo	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	Mid-Mo	8	Rental	
2000 Gal Water Tank	Foley	8.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Fix flat on pressure washer. Begin sediment removal from aeration pond #2. 8:30 Begin pressure washing api. 10:00 Setup pump in aeration #1 to pump out rain water. 12:00 Lunch. 1:00 Picked up valve handle from welding shop. 2:00 Demo first concrete wall between aeration pond 2 & 3. 4:00 Left site. 100% on aeration #2 sediment removal. 40% on power washing api.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 990-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0029
DATE: 8/22/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Gayle Arnett	SSO				y	11.0
Steve Holzman	OPS				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Quesada	OPS				y	11.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					3.0
Mike Davidson	MWH					3.0

TOTAL RECON HOURS: 77.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		11	Personal	
Dodge 1500	ST122	11	Owned	
330 Excavator w/ thumb	EXC001	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	OPT056	5	Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
D150 JD Backhoe	BKH016	3	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Moved 2" pump out of aeration pond #1. Begin pressure washing in api. Continued sediment removal in the east ponds. Cutting bench for equalization pond. Cut loose old blower lines to start sediment removal in equalization pond. 8:30 Weekly meeting. 10:00 All metal picked up scrap box and dropped a new one. 12:00 Lunch. 12:30 Begin washing inside the api from the bottom. Begin sediment removal in equalization basin. 5:00 Went to fill water truck again at the water dept. 6:30 Left site. 85% Sediment removal in equalization pond. 90% on power washing the api.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0029
DATE: 8/23/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Holzman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Quesada	OPS				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					3.0
Mike Davidson	MWH					3.0

TOTAL RECON HOURS: 73.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
330 Excavator w/ thumb	EXC001	10.5	Owned	
D61PX Dozer	DZR046	10.5	Owned	
TA 30 Off Road Truck	OPT056		Owned	
TA 30 Off Road Truck	OPT070	4	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
D150 JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley	7	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sediment removal in equalization pond. Continued power washing api. Removing motors from top of api. Set up excavator with hammer for delivery on 8-25-11. Excavating north end of api to remove pipes for grouting. 11:00 Finished sediment removal in equalization pond and begin removing concrete wall to get to aeration #1. 12:00 Lunch. 1:30 Finished power washing the api. Set up 3" pump in aeration #1. 2:00 Begin grouting pipes in api. Set up surveyors for 8-25-11. 6:00 Left site. 50% on grouting openings in api. 85% on sediment removal in aeration #1.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0029
DATE: 8/24/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 105

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Holzman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Quesada	OPS				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.5
Mike Davidson	MWH					

TOTAL RECON HOURS: 73.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
330 Excavator w/ thumb	EXC001	10.5	Owned	
D61PX Dozer	DZR046	10.5	Owned	
TA 30 Off Road Truck	OPT056	2	Owned	
TA 30 Off Road Truck	OPT070	3	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
D150 JD Backhoe	BKH016	4	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley	5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued sediment removal from aeration #1. Power wash top slab of api. Grouted remaining pipes in api. Loaded scrap box w/ metal. 8:00 Rain for Rent delivered sand filter. Unloaded it w/ excavator. 10:00 Finished grouting inside the api and packaged all the confined space equipment up and shipped back to Argus Hazco. Carried power washer back to Wichita KS (Superior Service). 12:00 Finished grouting all the holes in api. Finished sediment removal in aeration #1. Lunch. 12:30 Placed concrete weight on out flow line in se pond. Decon dozer. 1:00 Begin cleaning out concrete box on east side of aeration #1. 2:30 Foley delivered excavator w/ hammer. 3:00 Finished all sediment removal. 9 loads of sediment. Begin removing topsoil on berm of aeration #3. 5:00 Begin backfilling excavation on north end of api w/ fines. 6:00 Left site. 7 loads of topsoil. 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Foley delivered excavator w/ hammer. Rain for Rent delivered Sand Media Filter

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0029
DATE: 8/25/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Gayle Arnett	SSO				y	10.5
Steve Holzman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Quesada	OPS				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.5
Mike Davidson	MWH					

TOTAL RECON HOURS: 73.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10.5	Personal	
Dodge 1500	ST122	10.5	Owned	
330 Excavator w/ thumb	EXC001	10.5	Owned	
D61PX Dozer	DZR046		Owned	
TA 30 Off Road Truck	OPT056		Owned	
TA 30 Off Road Truck	OPT070	5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
D150 JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Cat w/ Hammer	Foley	10.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin concrete demo and hauling to the NW pond. Placing fines in holes north of the api. Install valve handles on HCS#s 3. Backfilling electrical trench to HCS no 3. Took st 122 to Dodge dealer to get ac fixed. 12:00 Lunch. 1:00 Surveyors arrived to TOPO remaining ponds on east side (polishing pond, aeration # 1 & 2, equalization ponds). I topsoil bottom of east ponds. 6:00 Left site. 9 loads of concrete 1 load of metal. 85% concrete demo in the ponds.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 8/26/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.5
Gayle Arnett	SSO				y	8.5
Steve Hickman	OPS				y	8.5
Oscar Gonzalez	LR				y	8.5
Justino Gonzalez	LR				y	8.5
Nicolas Franco	LR				y	8.5
Richard (Yogi) Quizando	OPR				y	8.5
				TOTAL RECON HOURS		59.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					8.5
					TOTAL HOURS	8.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		8.5	Personal	
Dodge 1500	ST122	8.5	Owned	
336 Excavator w/ thumb	EXC081	8.5	Owned	
D61PX Dozer	DZR048	3	Owned	
TA 30 Off Road Truck	OFT058		Owned	
TA 30 Off Road Truck	OFT070	8.5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
320 Cat w/ Hammer	Foley	8.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued demoing concrete in east ponds and north of decon pad. Watering roads. Pushing down concrete in NW pond. 11:00 am 1" pipe snagged temp power line to job shack and pulled it from the box. 11:13 Notified Matt Meyers about near miss. 12:15 Lunch. 1:40 Left to get Gayle's truck from the dealership. Young Electric arrived to fix Electrical line. 4:00 Young Electric left site. Left site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 8/29/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 99

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPS				y	10.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				n	
Richard (Yogi) Quizando	OPR				y	10.0
Roger Huth	SSO				y	10.0
				TOTAL RECON HOURS		60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
D61PX Dozer	DZR048		Owned	
TA 30 Off Road Truck	OFT058		Owned	
TA 30 Off Road Truck	OFT070	10	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
320 Cat w/ Hammer	Foley	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued concrete demo. Moved to west side of tracks to get concrete from mpa and drop structures. Took Stuart to look at the borrow area north of the site. 9:30 Weekly meeting. Removed drop structures on the east and west sides of the tracks. 10:30 Hauled concrete to primary pond from structures and slab in the mpa. 11:00 Hammering in the rock pile. 12:00 Lunch. 12:30 Some sludge soil was under the concrete in the mpa and we loaded it and hauled to the asphalt pile by the fines. 2:00 Moved out some of the bigger rocks in the rock pile so we could hammer them up. 5:30 Left site. 9 loads of concrete, 2 loads of metal, 1 load of sludge.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 8/30/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPS				y	10.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Quizando	OPR				y	10.0
Roger Huth	SSO				y	10.0
				TOTAL RECON HOURS		70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					5.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
					TOTAL HOURS	15.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC081	10	Owned	
D61PX Dozer	DZR048	2	Owned	
TA 30 Off Road Truck	OFT058		Owned	
TA 30 Off Road Truck	OFT070	10	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Cat w/ Hammer	Foley	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Excavator moved more rocks and concrete in the rock pile for the hammer. Hammer hammering rocks and concrete in the rock pile. Loading and hauling concrete, pipe, and debris. Removing left steering cylinder on dpt058 and carried to VLP in Wichita for repair packing. 12:00 Lunch. 2:00 Begin hauling topsoil from berm around east ponds. 3:15 Jerold onsite to locate electrical line at old outflow structures. Hammering more in the east ponds and hauling to primary pond. 5:30 Left site. 7 loads of concrete, 12 loads of topsoil, and 4 loads of metal.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

*

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 8/31/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 102

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Gayle Arnett	SSO				y	10.0
Steve Hickman	OPS				y	10.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Quizando	OPR				y	10.0
Roger Huth	SSO				y	10.0
				TOTAL RECON HOURS		70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					6.0
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
					TOTAL HOURS	16.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		10	Personal	
Dodge 1500	ST122	10	Owned	
336 Excavator w/ thumb	EXC081	8	Owned	
D61PX Dozer	DZR048	5	Owned	
TA 30 Off Road Truck	OFT058		Owned	
TA 30 Off Road Truck	OFT070	8	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
320 Cat w/ Hammer	Foley	5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued topsoil excavation and stockpile. Hammering concrete in primary pond. Watering roads. 10:30 Fueled and cleaned rental hammer ready for Foley to pick up. 11:30 Lunch 12:30 Back to work. Removing abandoned control structures. 3:00 Terracon arrived to get samples of soil. 3:55 CMC Arrived with grout for abandoned outflow structures. 5:30 Left site. 14 loads top soil. 2 loads of concrete.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

CMC delivered 4.5 yds of concrete / groud

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 8/25/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	5.0
Gayle Arnett	SSO				y	2.0
Steve Hickman	OPS				y	5.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	5.0
Nicolas Franco	LR				y	5.0
Richard (Yogi) Guajardo	OPS				y	5.0
Roger Huth	SSO				y	5.0
TOTAL RECON HOURS						32.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					
TOTAL HOURS						5.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck		5	Personal	
Dodge 1500	ST122	2	Owned	
336 Excavator w/ thumb	EXC081	5	Owned	
D61PX Dozer	DZR048	5	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070	5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	2	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	5	Owned	
20' Conex	MobMini	5	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	5	Rental	
330 Cat w/ Hammer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued stripping topsoil. Took water truck to fill up with city water for safety kleen. 8:30 Filled safety kleens tank for their cleaning of the frac tank. ACM arrived to pickup asbestos pipe. They wrapped the ends of the pipe and we loaded it into their truck with the backhoe. 11:30 Finished stripping topsoil and secured the site for the rotation. 12:00 Left site for rotation. Jon and Nicolas flew home. Steve drove to Hemphill, TX. Yogi drove to San Antonio, TX. Justino drove to Oakcliff, TX. Gayle demobed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 8/9/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OPS				y	11.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPS				y	11.0
TOTAL RECON HOURS						66.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					11.0
Mike Davidson	MWH					
TOTAL HOURS						11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC081	8	Owned	
D61PX Dozer	DZR048	11	Owned	
TA 30 Off Road Truck	DPT056	5	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	3	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	3	Rental	
SD100 Compactor	Hertz	2	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Cutting straight edge off of EXC081. Setting water pump up for water truck. Grading areas in pond. 9:30 Weekly meeting. After cutting edge off of excavator two teeth fell off because of missing retainers. 10:30 Sent Roger to pick them up and pick up cylinder for DPT056. Palcing grade stakes for the excavation on the berm. 12:00 Lunch. 12:30 Roger arrived back with parts. Installed teeth on bucket. Installed cylinder on DPT056. 1:00 Begin hauling soil from the berm into wetlands bottom. Compactor arrived from Hertz. 6:30 Left site. 51 loads of clay.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Hertz delivered compactor.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 8/10/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Hickman	OPS				y	11.5
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Guajardo	OPS				y	11.5
TOTAL RECON HOURS						69.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					6.5
TOTAL HOURS						11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/ thumb	EXC081	11.5	Owned	
D61PX Dozer	DZR048	11.5	Owned	
TA 30 Off Road Truck	DPT056	5	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
SD100 Compactor	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued loading, hauling, spreading, watering, and compacting clay in wetlands. Looked at additional 4" line that Stuart needs installed so the seep trench water will not go into the temp swale. 10:00 Southwind Oil delivered fuel and grease. 12:00 Lunch. 12:30 Continued hauling clay. Laying out toe of slope for Steve. 2:00 O-ring on DPT070 blew and repaired. 3:00 TCI tire co out to switch tires on DPT056. 7:00 Left site. 130 loads of clay.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind fuel and grease

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 8/11/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 81

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Steve Hickman	OPS				y	12.0
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				y	12.0
Nicolas Franco	LR				y	12.0
Richard (Yogi) Guajardo	OPS				y	12.0
TOTAL RECON HOURS						72.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
TOTAL HOURS						10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
336 Excavator w/ thumb	EXC081	8	Owned	
D61PX Dozer	DZR048	12	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070	8	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	12	Rental	
SD100 Compactor	Hertz	12	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:45 Continued hauling clay in the wetlands. Compacting and watering bottom for densities. Pumping ground water from bottom of wetlands. 10:50 Terracon arrived to take densities on first lift tests failed not wet enough. 12:00 Lunch. 12:30 Begin ripping area to water and recompact. 2:00 Cornejo delivered screen for screen wetlands material. 3:30 Begin testing area after we reworked it. The tests failed again with moisture at or above optimum. The lab thinks that the proctor is off. He used another protor from another sample and the soil passed compaction. He decided to take another sample from where he tested after talking to Stuart to get another proctor. 4:10 Working on backfilling area where ground water was coming in. 7:30 Left site. 38 loads of clay.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Terracon took densities.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/8/11
DAY OF WEEK: Friday
WEATHER/TEMP: Sunny 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPG				y	10.0
Oscar Gonzalez	LR				n	
Juelino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPG				y	10.0

TOTAL RECON HOURS: 60.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/thumb	EXC001	8	Owned	
D6TFX Dozer	DZR040	10	Owned	
TA 30 Off Road Truck	DPT006		Owned	
TA 30 Off Road Truck	DPT070	5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS003	1	Owned	
3100 JD Backhoe	BKH016	1	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	10	Rental	
SD100 Compactor	Hertz	5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued watering and mixing soil in wetlands. Surveying areas. 9:00 Hertz out to work on compactor. 12:00 Lunch. 2:15 Terracon onsite to take densities on first lift. Tests pass. Took another sample from berm soil in for proctor. 4:00 Terracon leftsite. Light rain. 5:00 Left site. 26 loads.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Terracon taking densities.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/12/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Holzman	OPG				y	11.0
Oscar Gonzalez	LR				y	
Juelino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPG				y	11.0
Juan Gomez	LR				y	11.0

TOTAL RECON HOURS: 77.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					8.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 18.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC001	11	Owned	
D6TFX Dozer	DZR040	11	Owned	
TA 30 Off Road Truck	DPT006	3	Owned	
TA 30 Off Road Truck	DPT070	11	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Sled	GRS003	1	Owned	
3100 JD Backhoe	BKH016	1	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
SD100 Compactor	Hertz	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety meeting. 7:30 Continued excavating and hauling soil to wetlands. Training Juan Gomez. 9:30 Weekly meeting. 10:30 Cornejo arrived to start screening roadbase. 12:40 Lunch. 1:20 Cornejo began screening. 2:30 Terracon arrived to take densities. 1/2 of second lift passed. 6:30 Left site. 145 loads or 2175cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Terracon taking densities.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/13/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPG				y	10.0
Oscar Gonzalez	LR				y	10.0
Juelino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPG				y	10.0
Juan Gomez	LR				y	10.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/thumb	EXC001	10	Owned	
D6TFX Dozer	DZR040	10	Owned	
TA 30 Off Road Truck	DPT006	10	Owned	
TA 30 Off Road Truck	DPT070	10	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Sled	GRS003	1	Owned	
3100 JD Backhoe	BKH016	1	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	10	Rental	
SD100 Compactor	Hertz	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in bottom of wetlands. Cornejo screening road base. 12:00 Lunch. 1:00 Terracon arrived to take densities on second lift and part of third. 1:30 Surveyors arrived to verify elevations and grades of RECON GPS. 50% complete with third lift. 6:30 Left site. 165 loads of clay estimated 2,475 cyds.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Terracon taking densities. C & surveying.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/14/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Rainy 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Holzman	OPG				y	11.0
Oscar Gonzalez	LR				y	11.0
Juelino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPG				y	11.0
Juan Gomez	LR				y	11.0

TOTAL RECON HOURS: 88.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					11.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 21.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC001	11	Owned	
D6TFX Dozer	DZR040	11	Owned	
TA 30 Off Road Truck	DPT006	11	Owned	
TA 30 Off Road Truck	DPT070	11	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Sled	GRS003	1	Owned	
3100 JD Backhoe	BKH016	1	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	11	Rental	
SD100 Compactor	Hertz	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in wetlands. Cornejo screening road base. Light rain all morning. 11:00 Terracon arrived to take densities. 3rd lift passed. Hertz arrived to work on the roller. 100% on third lift and 20% on 4th. 6:30 Left site. 135 loads of clay = 1,875 cyds

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Terracon taking densities.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3028
DATE: 9/15/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Cloudy 59

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Hinkman	OPII				y	11.5
Oscar Gonzalez	LII				y	11.5
Justino Gonzalez	LII				y	11.5
Nicolas Franco	LII				y	11.5
Richard (Yogi) Guajardo	OPII				y	11.5
Juan Gomez	LII				y	11.5
Curtis Butler	OPII				y	10.0
				TOTAL RECON HOURS		102.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
				TOTAL HOURS		10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/ thumb	EXC081	11.5	Owned	
D61PX Dozer	DZR046	11.5	Owned	
TA 30 Off Road Truck	OPT056	3	Owned	
TA 30 Off Road Truck	OPT070	11.5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	11.5	Rental	
SD100 Compactor	Hertz	11.5	Rental	
D6K Dozer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued palcing clay in wetlands. Cornejo screening road base. Scattered showers in the am. 8:00 Terracon took densities. Everything passed. 12:00 Lunch. 1:10 OWS arrived and unloaded. 2:30 Curtis Butler arrived for site training. 4:00 Foley delivered D6K. 7:00 Left site. 13 loads of topsoil. 77 loads of clay = 1,156 cyds.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel. Curtis Butler mobilized to site

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3028
DATE: 9/16/11
DAY OF WEEK: Friday
WEATHER/TEMP: Cloudy 59

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.5
Roger Huth	SSO				y	9.5
Steve Hinkman	OPII				y	9.5
Oscar Gonzalez	LII				y	9.5
Justino Gonzalez	LII				y	9.5
Nicolas Franco	LII				y	9.5
Richard (Yogi) Guajardo	OPII				y	9.5
Juan Gomez	LII				y	5.0
Curtis Butler	OPII				y	9.5
				TOTAL RECON HOURS		81.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					9.5
				TOTAL HOURS		9.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9.5	Personal	
Site Truck	Huth	9.5	Personal	
336 Excavator w/ thumb	EXC081	9.5	Owned	
D61PX Dozer	DZR046	9.5	Owned	
TA 30 Off Road Truck	OPT056	9.5	Owned	
TA 30 Off Road Truck	OPT070	8	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	9.5	Rental	
SD100 Compactor	Hertz	9.5	Rental	
D6K Dozer	Foley	9.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in wetlands. Grading slopes with second dozer while placing lifts with primary dozer. 12:00 Lunch. 1:00 Terracon arrived to take densities. All tests passed. 3:30 sealed site for the weekend. 5:00 Left site. 60 loads of clay = 900 cyds.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Terracon taking densities.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3028
DATE: 9/19/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hinkman	OPII				y	11.0
Oscar Gonzalez	LII				y	11.0
Justino Gonzalez	LII				y	11.0
Nicolas Franco	LII				y	11.0
Richard (Yogi) Guajardo	OPII				y	11.0
Curtis Butler	OPII				y	11.0
				TOTAL RECON HOURS		88.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					11.0
Mike Davidson	MWH					
				TOTAL HOURS		11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC081	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	OPT056	8	Owned	
TA 30 Off Road Truck	OPT070	8	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP-56 Compactor	Foley		Rental	
D6K Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

1 1/2" OF RAIN OVER THE WEEKEND. 7:00 Safety meeting. 7:30 Wet site. Pumping water from wetlands. Cornejo screening materials. Hauling concrete into primary pond from rockpile. 9:30 Weekly meeting. 12:00 Lunch. 12:30 Begin grading slopes again and still pumping water. 4:00 Scott Rogers w/ Cornejo arrived to look at white tank. Foley arrived to service EXC081. 5:30 Foley delivered compactor. 6:30 Left site. 56 Loads of concrete placed into primary pond.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Foley serviced EXC081.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3028
DATE: 9/20/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hinkman	OPII				y	11.0
Oscar Gonzalez	LII				y	11.0
Justino Gonzalez	LII				y	11.0
Nicolas Franco	LII				y	11.0
Richard (Yogi) Guajardo	OPII				y	11.0
Curtis Butler	OPII				y	11.0
				TOTAL RECON HOURS		88.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
				TOTAL HOURS		10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC081	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	OPT056	5	Owned	
TA 30 Off Road Truck	OPT070	11	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	5	Rental	
2000 Gal Water Truck	Foley	5	Rental	
CP-56 Compactor	Foley	11	Rental	
D6K Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Drying bottom of wetlands. Begin hauling clay. Grading areas in bottom. Hauling berm between primary pond and west pond to wet hands. Cornejo screening materials. 9:00 Hertz mechanic arrived to try and get roller started. 10:00 Foley arrived to install fire extiguisher on roller and fix seat. 12:00 Lunch. 2:00 Hertz left and roller still not running. Send a truck for it tomorrow. 6:30 Left site. 99 loads of clay.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3629
DATE: 8/21/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OPII				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Quijada	OPII				y	11.0
Curtis Butler	OPII				y	11.0

TOTAL RECON HOURS: 88.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					9.0
Stuart Klaus	MWH					
Mike Davidson	MWH					10.0

TOTAL HOURS: 19.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC061	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070	11	Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	4	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	9	Rental	
2000 Gal Water Truck	Foley	8	Rental	
CP 56 Compactor	Foley	11	Rental	
D6K Dozer	Foley	7	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in wetlands. Cornejo screening gravel. 8:35 Southwind oil delivered fuel. 12:00 Lunch. 12:15 Terracon arrived to take densities. 1:10 First 2 loads of bentonite arrived. 2:20 Third load of bentonite arrived. 5:30 Begin sealing off site in case of rain. 6:30 Left site. 69 loads = 1,020 cy

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

57.5 tons of bentonite delivered. Southwind delivered fuel

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3629
DATE: 8/22/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Hickman	OPII				y	11.5
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Quijada	OPII				y	11.5
Curtis Butler	OPII				y	11.5

TOTAL RECON HOURS: 92.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					11.5
Stuart Klaus	MWH					11.5
Mike Davidson	MWH					
Brian Kellman	El Paso					4.0

TOTAL HOURS: 27.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/thumb	EXC061	11.5	Owned	
D61PX Dozer	DZR046	11.5	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070	11.5	Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	3	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	9	Rental	
2000 Gal Water Truck	Foley	8	Rental	
CP 56 Compactor	Foley	11.5	Rental	
D6K Dozer	Foley	11.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in wetlands. Grading slopes. Cornejo screening materials. Unloading bentonite. Received final 5 loads. 8:30 Brian Kellman arrived for site visit. 12:00 Lunch. 1:30 Cornejo finished screening. 2:00 C&B arrived to topo RCC and fines pile. 7:00 Left site. 90 loads = 1,350 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Received 5 loads of bentonite = 112.5 tons

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3629
DATE: 8/23/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OPII				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Quijada	OPII				y	5.0
Curtis Butler	OPII				y	11.0

TOTAL RECON HOURS: 83.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					5.0
Stuart Klaus	MWH					11.0

TOTAL HOURS: 16.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC061	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	DPT058	6	Owned	
TA 30 Off Road Truck	DPT070	11	Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	9	Rental	
2000 Gal Water Truck	Foley	9	Rental	
CP 56 Compactor	Foley	11	Rental	
D6K Dozer	Foley	11	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in wetlands and grading areas. 8:20 Jason w/ AES arrived to look at wetlands. 12:00 Lunch. 1:50 Hertz arrived and delivered skytrack. Loaded SD100 compactor on trailer for windout. 6:30 Left site. 91 loads of clay = 1,365 cy. Berm approximately 70% complete

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Hertz delivered sky track.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3629
DATE: 8/24/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Hickman	OPII				y	11.5
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Quijada	OPII				y	11.5
Curtis Butler	OPII				n	2.0
Juan Gomez	LR				y	11.5

TOTAL RECON HOURS: 84.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					11.5
Mike Davidson	MWH					

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/thumb	EXC061	11.5	Owned	
D61PX Dozer	DZR046	11.5	Owned	
TA 30 Off Road Truck	DPT058	11.5	Owned	
TA 30 Off Road Truck	DPT070	11.5	Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014		Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	9	Rental	
2000 Gal Water Truck	Foley	8	Rental	
CP 56 Compactor	Foley	11.5	Rental	
D6K Dozer	Foley	2	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing clay in wetlands; material being transported from the stockpile on the west side of the tracks. 8:30 Weekly meeting. Cornejo arrived to pick up tank. Loaded tank for Cornejo. 10:30 ISCO Delivered pipe. 12:00 Lunch. 2:00 Cornejo moved out. 3:00 Went to pickup fertilizer spreader. 3:25 Stabilizer delivered. 5:00 Spread 3 bags of bentonite. 7:00 Left site. 78 loads of clay = 1,140 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Soil stabilizer delivered. ISCO delivered pipe. Picked up fertilizer spreader.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/27/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 82

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Francis	LR				y	10.0
Richard (Yogi) Quijanda	OPR				y	10.0
Curtis Butler	OPR				n	
Juan Gomez	LR				y	10.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 15.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC061	10	Owned	
D6TPX Dozer	DZR046	10	Owned	
TA 35 Off Road Truck	DPT058	2	Owned	
TA 30 Off Road Truck	DPT070	3	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
CP 56 Compactor	Foley	10	Rental	
D6K Dozer	Foley	3	Rental	

TOTAL HOURS: 18.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Grading berm between wetlands 1 and 2. Spreading bentonite in stage 2 wetlands. Used fertilizer to spreader to spread 8 bags of bentonite. 12:00 Lunch. 1:30 Hitch broke on spreader. Measured off grids to use excavator to spread bentonite. Spread 5 bags with excavator. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/28/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Francis	LR				y	10.0
Richard (Yogi) Quijanda	OPR				y	10.0
Curtis Butler	OPR				n	
Juan Gomez	LR				y	10.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					3.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC061	10	Owned	
D6TPX Dozer	DZR046	8	Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	10	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley		Rental	
D6K Dozer	Foley		Rental	

TOTAL HOURS: 10.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Spreading bentonite in stage 2 wetlands using the excavator. Hauling the bags of bentonite to the excavator with the backhoe. 12:00 Lunch. 12:30 Begin mixing bentonite in stage 2 wetlands. 6:30 Left site. 75% with spreading bentonite in stage 2 wetlands. 50% complete with the mixing in stage 2 wetlands. 45 bags of bentonite spread.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/29/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 78

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Roger Huth	SSO				y	8.0
Steve Hickman	OPR				y	5.0
Oscar Gonzalez	LR				y	7.0
Justino Gonzalez	LR				y	5.0
Nicolas Francis	LR				y	5.0
Richard (Yogi) Quijanda	OPR				y	8.0
Curtis Butler	OPR				n	
Juan Gomez	LR				y	7.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					
Brian Kellman	32 Peer					

TOTAL HOURS: 5.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	8	Personal	
336 Excavator w/ thumb	EXC061	8	Owned	
D6TPX Dozer	DZR046		Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley	3	Rental	
D6K Dozer	Foley		Rental	

TOTAL HOURS: 3.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued spreading bentonite in stage 2 wetlands. 10:00 Southwind Oil delivered fuel. Begin compacting soil in stage 2 wetlands. 11:45 ADS delivered piping. 12:00 Left site. VLP servicing DZR046 and BKH016. 9 loads of bentonite. 100% on bentonite spreading in stage 2 wetlands. Yogi drove to San Antonio. Steve drove to Hemphill Texas. Justino drove to Oakcliff Texas. Oscar drove to Oakcliff Texas. Jon drove to Chandler TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel. ADS delivered pipe. VLP services DZR046 and BKH016.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/30/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OPR				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Francis	LR				y	11.0
Richard (Yogi) Quijanda	OPR				y	11.0
Curtis Butler	OPR				y	11.0
Juan Gomez	LR				y	11.0

TOTAL RECON HOURS: 99.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					11.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 16.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC061	11	Owned	
D6TPX Dozer	DZR046		Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	11	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
CP 56 Compactor	Foley	8	Rental	
D6K Dozer	Foley		Rental	
R4000	Warren		Rental	
Skid Steer	Foley	5	Rental	

TOTAL HOURS: 16.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin spreading bentonite in stage 1 wetlands. 9:00 Foley delivered skid steer with tiller attachment for tilling slopes. 9:30 Weekly meeting. 10:00 Started tilling in bentonite on the slopes in stage 2 wetlands. Line blew on tiller, took it back to Foley to exchange for another. 12:00 Lunch. 1:30 Begin tilling again on slopes w/ skid steer. 3:00 Murphy tractor arrived to check parking break on backhoe because of it turning on and off by itself. Breather clogged and causing pressure to build in transmission and blowing out oil. Cleaned breather and added oil and is fixed. 6:30 Left site. 40 loads of bentonite in stage 1 wetlands and complete spreading.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3628
DATE: 10/6/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	11.5
Roger Huth	S/SO				y	11.5
Steve Holzman	OPG				y	11.5
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Guajardo	OPG				y	11.5
Curtis Butler	OPG				y	11.5
Juan Gomez	LR				y	11.5

TOTAL RECON HOURS: 165.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
D8 Excavator w/ thumb	EXC081	11.5	Owned	
DR1FX Dozer	DZR046	2	Owned	
TA 30 Off Road Truck	DPT058	11.5	Owned	
TA 30 Off Road Truck	DPT070	11.5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	7	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley	11.5	Rental	
CP 56 Compactor	Foley		Rental	
DRK Dozer	Foley	11.5	Rental	
RM300	Warren	4	Rental	
Skid Steer	Foley	8.5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Loaded offroads with soil and wheel rolled stage 2 wetlands. Begin stripping topsoil off berm around stage 3 wetlands. Tilling bentonite in slope in stage 2 wetlands and stage 1. Mixing bottom of stage 1 wetlands. Bentonite installation complete. 9:30 Hauling soil from stockpile across tracks to build benches in stage 2 wetlands. 11:30 Picked up trailer from JRS Rentals to haul fertilizer spreader to Walton KS. 12:00 Lunch. 12:30 Loaded fertilizer spreader on trailer and hauled to Walton KS. 4:00 Returned from Walton and returned trailer. 5:00 Water truck broke down and Cat came to fix it. 7:00 Left site. Called compactor and mixer off rent. 76 loads of clay from across the tracks.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3628
DATE: 10/6/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.0
Roger Huth	S/SO				y	12.0
Steve Holzman	OPG				y	12.0
Oscar Gonzalez	LR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Franco	LR				y	12.0
Richard (Yogi) Guajardo	OPG				y	12.0
Curtis Butler	OPG				y	12.0
Juan Gomez	LR				y	12.0

TOTAL RECON HOURS: 156.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
Brian Kellman	El Paso					

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
D8 Excavator w/ thumb	EXC081	12	Owned	
DR1FX Dozer	DZR046	12	Owned	
TA 30 Off Road Truck	DPT058	12	Owned	
TA 30 Off Road Truck	DPT070	12	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	12	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley	12	Rental	
CP 56 Compactor	Foley		Rental	
DRK Dozer	Foley	2	Rental	
RM300	Warren		Rental	
Skid Steer	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling clay in stage 2 wetlands for benches from across the tracks. Begin installing ows. 10:00 Finished hauling clay from across the tracks. Took pulverizer back to Foley in exchange for a bucket and tiller. Used excavator to set ows. 11:00 Begin hauling topsoil from berm around stage 3 wetlands and placing on 1st bench in stage 2 wetlands. 12:00 Lunch. 12:30 Hauling fines around ows with skid steer and backhoe. 2:30 Finished topsoil in 1st berm. Continued hauling clay on the second berm. 7:30 Left site. 86 loads of soil in benches.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3628
DATE: 10/7/11
DAY OF WEEK: Friday
WEATHER/TEMP: Windy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Roger Huth	S/SO				y	10.5
Steve Holzman	OPG				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Guajardo	OPG				y	10.5
Curtis Butler	OPG				y	10.5
Juan Gomez	LR				y	10.5

TOTAL RECON HOURS: 94.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					
Doug Mick	MWH					10.5

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
D8 Excavator w/ thumb	EXC081	10.5	Owned	
DR1FX Dozer	DZR046	10.5	Owned	
TA 30 Off Road Truck	DPT058	10.5	Owned	
TA 30 Off Road Truck	DPT070	10.5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	10.5	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMisc	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
CP 56 Compactor	Foley		Rental	
DRK Dozer	Foley	4	Rental	
RM300	Warren		Rental	
Skid Steer	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauled 8 loads of fines to ows. 8:30 Continued haul in stage 2 wetlands for benches. 9:30 Finished clay in 2nd bench and began hauling topsoil. 12:00 Lunch. 1:00 Finished topsoil on 2nd bench. Begin hauling from center berm into stage 2 wetlands. Stripping topsoil and staging on top of 3rd bench. Ordered landscape bricks for ows. Brought back some to get us started on wall around cascade aireator. 3:30 Set cascade aireator pipes on slopes and poked landscape rocks and put some fines on top of pipes. 6:00 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3628
DATE: 10/10/11
DAY OF WEEK: Monday
WEATHER/TEMP: Drizzle 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	5.0
Roger Huth	S/SO				y	5.0
Steve Holzman	OPG				y	
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Franco	LR				y	
Richard (Yogi) Guajardo	OPG				y	5.0
Curtis Butler	OPG				y	5.0
Juan Gomez	LR				y	

TOTAL RECON HOURS: 20.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					
Mike Davidson	MWH					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	5	Personal	
Site Truck	Huth	5	Personal	
D8 Excavator w/ thumb	EXC081		Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014		Owned	
Grease Skid	GRS009		Owned	
310G JD Backhoe	BKH018		Owned	
20' Conex	CON054		Owned	
20' Conex	MisMisc		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMisc		Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley		Rental	
DRK Dozer	Foley		Rental	
RM300	Warren		Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Site received 1.5 inches of rain over the weekend. Site conditions to wet to perform work in a safe and efficient m atter, therefore now work performed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/11/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OPR				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPR				y	11.0
Curtis Butler	OPR				y	11.0
Juan Gomez	LR				y	11.0
					TOTAL RECON HOURS	99.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					11.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
					TOTAL HOURS	21.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC091	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	OFT056	11	Owned	
TA 30 Off Road Truck	OFT070	11	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH018	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley		Rental	
D6K Dozer	Foley	8	Rental	
RM500	Warren		Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:30 Arrived at the site to find it broke into again. Called Sheriffs Department and then Matt. They took a magnet, gas can, and fuel cap off the backhoe. 7:00 Safety meeting. 8:00 Continued working on ows. Site wet from rain over the weekend. Fusing 4" line together and laying landscape wall on OWS. Hauled concrete from rockpile into primary pond. 9:30 Southerlands delivered landscape blocks. 12:00 Lunch. 3:00 Finished concrete hauling and began hauling fines into primary pond. 7:00 Left site. 74 loads of rock and concrete. 29 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/12/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Hickman	OPR				y	11.5
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Guajardo	OPR				y	11.5
Curtis Butler	OPR				y	11.5
Juan Gomez	LR				y	11.5
					TOTAL RECON HOURS	103.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/ thumb	EXC091	8	Owned	
D61PX Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	OFT056	8	Owned	
TA 30 Off Road Truck	OFT070	8	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014		Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH018	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley		Rental	
D6K Dozer	Foley	5	Rental	
RM500	Warren		Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:30 Continued hauling fines in primary pond. Plumbing in ows. Site still wet. 12:00 Lunch. 1:00 Stage 2 wetlands subgrade is still too wet to perform heavy equipment operations; begin installing drain lines in stage 1 wetlands. Installing line on east side of api and hooking up to cascade aerator. 5:30 Finished laying ads 3000 in bottom minus the cleanouts. Installed last riser on ows. 7:00 Left site. 81 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/13/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OPR				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPR				y	11.0
Curtis Butler	OPR				y	11.0
Juan Gomez	LR				y	11.0
					TOTAL RECON HOURS	99.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Stan Kellman	El Paso					
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC091	11	Owned	
D61PX Dozer	DZR046	11	Owned	
TA 30 Off Road Truck	OFT056	11	Owned	
TA 30 Off Road Truck	OFT070	11	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley		Rental	
D6K Dozer	Foley	1	Rental	
RM500	Warren		Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 Dry enough to haul soil for last bench. Begin hauling soil for last bench from center berm. Laying block walls and bolting down riser on ows. Ordered piping for vent from Buckeye Supply. 12:00 Lunch. 3:30 Finished excavating off of center berm and moved to west side of primary pond. Installing vent on ows. Need one more pipe to finish. Will pick it up in the morning. 6:30 Left site. 89 loads of clay.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/14/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPR				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPR				y	10.0
Curtis Butler	OPR				y	10.0
Juan Gomez	LR				y	10.0
					TOTAL RECON HOURS	90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Doug Mee	MWH					
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC091	10	Owned	
D61PX Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	OFT056	8	Owned	
TA 30 Off Road Truck	OFT070	8	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	1	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CP 56 Compactor	Foley		Rental	
D6K Dozer	Foley		Rental	
RM500	Warren		Rental	
Skid Steer	Foley	2	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Finished installing vent line on ows and finish wall. Painting vent pipes and touching up ows w/ epoxy. Hauling soil in benches in stage 2 wetlands. 12:00 Lunch. 12:30 Hauling topsoil to last bench in wetlands. 2:30 Hauled fines for ows. Used excavator to place fines on east side of ows. 6:30 Leftsite. 53 loads of soil for benches. 10 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3639
DATE: 10/18/11
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	8.0
Roger Huth	SSO				y	8.0
Steve Hickman	OPIII				y	8.0
Oscar Gonzalez	Lbr				y	8.0
Justino Gonzalez	Lbr				y	8.0
Nicolas Franco	Lbr				y	8.0
Richard (Yogi) Guajardo	OPIII				y	8.0
Curtis Butler	OPIII				y	8.0
Juan Gomez	Lbr				y	8.0

TOTAL RECON HOURS: 72.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					8.0

TOTAL HOURS: 8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	8	Personal	
336 Excavator w/ thumb	EXC081	4	Owned	
D61PX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT059	3	Owned	
TA 30 Off Road Truck	DPT070	3	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
60' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley		Rental	
CF 60 Compactor	Foley		Rental	
D6K Dozer	Foley		Rental	
RMW	Warren		Rental	
Skid Steer	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling pea gravel into Stage 2 from decon pad. Excavating trench for 6" line Making hole in api for 6" line. 12:00 Lunch. 2:00 Welded 80 on 8" pipe. Installed new switch on welder. 3:30 Left site. 9 loads of pea gravel. 80% complete w/ 6" trench; trench installation going slow due to numerous lines in path. 90% Complete w/ grading 1" of gravel.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3639
DATE: 10/17/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPIII				y	10.0
Oscar Gonzalez	Lbr				y	10.0
Justino Gonzalez	Lbr				y	10.0
Nicolas Franco	Lbr				y	10.0
Richard (Yogi) Guajardo	OPIII				y	10.0
Curtis Butler	OPIII				y	10.0
Juan Gomez	Lbr				y	10.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC081	10	Owned	
D61PX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT059	2	Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
60' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley		Rental	
Skid Steer	Foley	8	Rental	

TOTAL HOURS: 10.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Moved aeration supplies down to stage 2. Finishing up 1" of gravel under aeration lines. Continuing 6" line excavation and installation. 9:30 Weekly meeting. 10:20 Installed aeration lines in south area of stage 2 wetlands. 12:00 Lunch. 1:10 Young Electric arrived. They shut power off to seep trench for 6" line excavation. Checking site for final things on electrical installation. Since we went with the transformer, we need to add another little trench over to the decon pad wall. Young Electric has a plan and they will return on Wednesday. 1:30 Removing a little excess soil in wetlands for aeration installation. 1:45 Skid steer rolled over backwards on the slope. 1:50 Called Matt to let him know. 2:15 Carlson-Baughman arrived to tope stage 1 and 2 wetlands. 2:30 Continued preparing api for paint. Took Yogi for drug screen. 3:30 Sent out initial near miss report. Left site. 100% on 6" line excavation.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3639
DATE: 10/18/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 59

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPIII				y	10.0
Oscar Gonzalez	Lbr				y	10.0
Justino Gonzalez	Lbr				y	10.0
Nicolas Franco	Lbr				y	10.0
Richard (Yogi) Guajardo	OPIII				y	10.0
Curtis Butler	OPIII				y	10.0
Juan Gomez	Lbr				y	10.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC081	10	Owned	
D61PX Dozer	DZR046	4	Owned	
TA 30 Off Road Truck	DPT059	3	Owned	
TA 30 Off Road Truck	DPT070	3	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	10	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
60' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley		Rental	
Skid Steer	Foley		Rental	

TOTAL HOURS: 10.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Installing 6" line. Finishing moving access soil in bottom of stage 2. 8:30 Carlson Baughman arrived to finish topoing stage one and two wetlands. 10:30 Continued measuring and placing aeration lines in stage 2. Backfilling 6" line. 12:00 Lunch. 2:30 Begin placing RCC material on aeration lines. 3:30 Left site. 4 loads of RCC material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3639
DATE: 10/19/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 36

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Steve Hickman	OPIII				y	10.5
Oscar Gonzalez	Lbr				y	10.5
Justino Gonzalez	Lbr				y	10.5
Nicolas Franco	Lbr				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Curtis Butler	OPIII				y	10.5
Juan Gomez	Lbr				y	10.5

TOTAL RECON HOURS: 84.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
336 Excavator w/ thumb	EXC081	10.5	Owned	
D61PX Dozer	DZR046	3	Owned	
TA 30 Off Road Truck	DPT059	2	Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	10.5	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMkr	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
60' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley	1	Rental	
Skid Steer	Foley		Rental	

TOTAL HOURS: 10.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Excavating final electrical trenches. Measuring and cutting blower lines. Installing water line marking tape and backfilling 6" trench. Young Electric installing electrical to own. 10:00 Excavating for HCS #2. 12:00 Lunch. 12:30 Cutting crane bench for HCS #1. 2:00 Begin excavating for HCS #1. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 10/3/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Steve Holeman	OPII				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Guajardo	OPII				y	10.5
Curtis Butler	OPII				y	10.5
Juan Gomez	LR				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Brian Kellman	El Paso					

TOTAL RECON HOURS: 94.5
TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
336 Excavator w/thumb	EXC061	3	Owned	
D6TPX Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	DPT056	8	Owned	
TA 30 Off Road Truck	DPT070	2	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH015	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMiki	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiki	8	Rental	
2000 Gal Water Truck	Foley		Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Preparing for crane arrival. Placing concrete bags on aeration lines and banding down. Electrical install. 10:10 Beiger arrived with HCS #1&2. 10:30 Crane arrived. Orientation. Waiting on daily inspection for crane. 11:30 Lunch. 12:30 Begin setting up crane to set HCS #1. 1:00 Setting #2. 2:30 Finished with lifts. Backfilling HCS #1 and installing pipes. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Beiger crane set HCS #1 and 2. Young Electric installing ows electrical.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 10/3/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Holeman	OPII				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPII				y	11.0
Curtis Butler	OPII				y	11.0
Juan Gomez	LR				y	11.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Doug Mick	MWH					5.0

TOTAL RECON HOURS: 99.5
TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC061	11	Owned	
D6TPX Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	DPT056	4.5	Owned	
TA 30 Off Road Truck	DPT070	4.5	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH015	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMiki	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiki	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued tracking HCS#1 and 2. Installing 2" line for sump pump in HCS#2. 12:00 Lunch. 1:30 Begin placing RCC material in stage 2 wetlands. Finished up the south aeration and material to the next. 6:30 Left site. 12 loads of rcc material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 10/4/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holeman	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0
Curtis Butler	OPII				n	
Juan Gomez	LR				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 85.0
TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/thumb	EXC061	8	Owned	
D6TPX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT056	8	Owned	
TA 30 Off Road Truck	DPT070	8	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	1	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH015	10	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMiki	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiki	8	Rental	
2000 Gal Water Truck	Foley		Rental	
Skid Steer	Foley	3	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing gravel in aeration lines. Cornejo delivering rip rap. 12:00 Lunch. 3:00 Finished aeration gravel. Begin excavating for blower lines. 6:30 Left site. 516.31 tons of rip rap delivered. Foley delivered 4" pump. 18 loads of rcc material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3029
DATE: 10/5/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Holeman	OPII				y	5.0
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Guajardo	OPII				y	11.5
Curtis Butler	OPII				y	11.5
Juan Gomez	LR				y	11.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					11.5
Stuart Klaus	MWH					5.5
Mike Davidson	MWH					5.5

TOTAL RECON HOURS: 87.0
TOTAL HOURS: 21.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/thumb	EXC061		Owned	
D6TPX Dozer	DZR046	7	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	11.5	Owned	
Grease Sled	GRS005	1	Owned	
310G JD Backhoe	BKH015	5	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMiki	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiki	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	
Skid Steer	Foley	5	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued tilling benches in stage 2 wetlands using dozer and tiller. Installing ballast bricks on drain lines in stage 2. Watering roads. 9:00 Weekly meeting. 12:00 Lunch. 2:00 Begin blower line trench. 3:00 Begin installing blower lines. 4:00 Finished tilling benches. 7:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Foley delivered second 4" water truck.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3028
DATE: 10/26/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 48

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSQ				y	10.5
Steve Holzman	OPIII				n	
Oscar Gonzalez	LIII				y	
Justino Gonzalez	LIII				y	10.5
Nicolas Franco	LIII				y	10.5
Richard (Yogi) Guajardo	OPIII				y	10.5
Curtis Butler	OPIII				n	
Juan Gomez	LIII				y	10.5

TOTAL RECON HOURS: 83.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.5
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					

TOTAL HOURS: 20.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
336 Excavator w/thumb	EXC081		Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	10.5	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	10.5	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMiv	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiv	8	Rental	
2000 Gal Water Truck	Foley	9	Rental	
Skid Steer	Foley		Rental	

TOTAL HOURS: 26.5

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. Continued excavating blower line. Installing blower line. Washed skid steer for demolos. 11:00 Begin excavating cleanouts in stage 2. 12:00 Lunch AES arrived and got trained for planting wetlands. 3:00 Fabric arrived. Cut rolls in half. 5:00 Begin backfilling blower line. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

4 rolls of fabric delivered from Carter-Waters.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3028
DATE: 10/27/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSQ				y	11.0
Steve Holzman	OPIII				n	
Oscar Gonzalez	LIII				y	5.5
Justino Gonzalez	LIII				y	11.0
Nicolas Franco	LIII				y	11.0
Richard (Yogi) Guajardo	OPIII				y	11.0
Curtis Butler	OPIII				n	
Juan Gomez	LIII				y	11.0

TOTAL RECON HOURS: 71.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					11.0
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
Brian Kellman	El Paso					

TOTAL HOURS: 21.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC081	3	Owned	
DR1FX Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	11	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	7	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMiv	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiv	8	Rental	
2000 Gal Water Truck	Foley		Rental	
Skid Steer	Foley		Rental	

TOTAL HOURS: 21.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Backfilling blower line. Installing fabric on slope of stage 2 wetlands. 8:30 AES arrived to plant plants. 10:00 Pile up riprap for loading next week. 10:10 Wichita concrete products arrived to install valve handles and weir. We installed sump pump. 1:00 Lunch. 1:30 Setting up 4" pumps to flood wetlands. 2:00 Begin pumping water into south set of aeration lines. 4:00 Set up second pump and begin pumping into next area. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3028
DATE: 10/28/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	4.0
Roger Huth	SSQ				y	8.0
Steve Holzman	OPIII				n	
Oscar Gonzalez	LIII				y	4.0
Justino Gonzalez	LIII				y	4.0
Nicolas Franco	LIII				y	4.0
Richard (Yogi) Guajardo	OPIII				y	4.0
Curtis Butler	OPIII				n	
Juan Gomez	LIII				y	8.0

TOTAL RECON HOURS: 36.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					4.0
Stuart Klaus	MWH					8.0
Doug Mok	MWH					

TOTAL HOURS: 12.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	4	Personal	
Site Truck	Huth	8	Personal	
336 Excavator w/thumb	EXC081		Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	4	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MisMiv	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiv	8	Rental	
2000 Gal Water Truck	Foley		Rental	
Skid Steer	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. Flooding wetlands aeration lines. Backfilling blower line and raking around valve boxes. Wetlands company onsite planting. Brian Kellman onsite for site visit. 10:30 Picked up one of the pumps and moved hoses for flooding on Monday. 11:00 Left site for rotation. Juan and Roger stayed onsite. Yogi drove to San Antonio, TX. Oscar and Justino drove to Oak Cliff, TX. Steve drove to Hemphill, TX. Nicolas and Jon flew home. 3:30 Roger and Juan left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3028
DATE: 10/31/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				n	
Roger Huth	SSQ				y	8.0
Steve Holzman	OPIII				n	
Oscar Gonzalez	LIII				n	
Justino Gonzalez	LIII				n	
Nicolas Franco	LIII				n	
Richard (Yogi) Guajardo	OPIII				n	
Juan Gomez	LIII				y	8.0

TOTAL RECON HOURS: 16.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Angela Babbel	AES					5.5
Jon Kee	AES					5.5

TOTAL HOURS: 21.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal	
Site Truck	Huth	8	Personal	
336 Excavator w/thumb	EXC081		Owned	
DR1FX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009		Owned	
310G JD Backhoe	BKH018		Owned	
20' Conex	CON054		Owned	
20' Conex	MisMiv		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMiv		Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

8:00 Safety meeting. 8:30 Site maintenance / wetlands planting. 12:00 Lunch. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3539
DATE: 11/1/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	
Roger Huth	SSO				y	10.0
Steve Holdman	OPS				y	
Oscar Gonzalez	LR				y	
Justino Gonzalez	LR				y	
Nicolas Franco	LR				y	
Richard (Yogi) Guajardo	OPS				y	
Juan Gomez	LR				y	9.5

TOTAL RECON HOURS: 19.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Mark Weltendorf	AES					6.0
Luis Cruz	AES					6.0
Angela Babbit	AES					8.5
Brian Fox	AES					8.0
Jon Kee	AES					8.5
Kenny Coffman	AES					8.0

TOTAL HOURS: 55.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth		Personal	
336 Excavator w/thumb	E3C261		Owned	
D6TPX Dozer	D2R046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0057		Owned	
Gator	ATV014	9.5	Owned	
Grease Skid	GR5009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON054		Owned	
20' Conex	MsMiNi		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MsMiNi		Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Site maintenance / wetlands planting. 12:00 Lunch. 12:30 Flooding wetlands. 5:30 Left site. Yogi drove back from San Antonio, TX. Oscar and Justino drove back from Oak Cliff, TX. Steve drove back from Hemphill, TX. Jon and Nicolas flew back.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3539
DATE: 11/2/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Rainy 49

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Holdman	OPS				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Guajardo	OPS				y	11.0
Juan Gomez	LR				y	11.0

TOTAL RECON HOURS: 88.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					3.0
Mike Davidson	MWH					3.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	E3C261	5	Owned	
D6TPX Dozer	D2R046	3	Owned	
TA 30 Off Road Truck	DPT058	1	Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PP0057		Owned	
Gator	ATV014	11	Owned	
Grease Skid	GR5009	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MsMiNi	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MsMiNi	8	Rental	
2000 Gal Water Truck	Foley	3	Rental	
320 Excavator	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water in wetlands. Grading road. Backfilling ditch between spl and decon pad. AES planting wetlands. Filling area for blower pad. 9:30 Weekly meeting. 10:30 Foley delivered the excavator. The blower was delivered 12:00 Lunch. 2:00 Begin excavating for blower electrical. 4:30 Form up for blower slab 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3539
DATE: 11/3/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 38

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Steve Holdman	OPS				y	11.5
Oscar Gonzalez	LR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Franco	LR				y	11.5
Richard (Yogi) Guajardo	OPS				y	11.5
Juan Gomez	LR				y	11.5

TOTAL RECON HOURS: 92.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Brian Kellman	El Paso					

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
336 Excavator w/thumb	E3C261	10	Owned	
D6TPX Dozer	D2R046		Owned	
TA 30 Off Road Truck	DPT058	10	Owned	
TA 30 Off Road Truck	DPT070	10	Owned	
4" Water Pump	PP0057		Owned	
Gator	ATV014	11.5	Owned	
Grease Skid	GR5009		Owned	
310G JD Backhoe	BKH016	1.5	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MsMiNi	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MsMiNi	8	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin placing rip rap on slopes in stage 2. Flooding wetalnds. Pouring blower slab. 12:00 Lunch. 12:30 Moving hoses around in wetlands. 2:30 Excavating cleanouts on south side of stage 1. 6:30 Placing fabric on south slope of stage 1. 7:00 Left site. 11 loads of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3539
DATE: 11/4/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 24

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Steve Holdman	OPS				y	10.5
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Guajardo	OPS				y	10.5
Juan Gomez	LR				y	10.5

TOTAL RECON HOURS: 84.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Doug Mick	MWH					

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
336 Excavator w/thumb	E3C261	5	Owned	
D6TPX Dozer	D2R046	2	Owned	
TA 30 Off Road Truck	DPT058	5	Owned	
TA 30 Off Road Truck	DPT070	5	Owned	
4" Water Pump	PP0057		Owned	
Gator	ATV014	10.5	Owned	
Grease Skid	GR5009	1	Owned	
310G JD Backhoe	BKH016	1	Owned	
20' Conex	CON054	8	Owned	
20' Conex	MsMiNi	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MsMiNi	8	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Riprap placement on center berm. Young electric installing blower electrical conduit. Hand excavating from blower pad to excavated trench. Pumping water to flood wetlands. 11:30 Begin staking down drain lines in stage 1. 12:00 Lunch 12:30 Installing cleanouts on North slope of stage 1. Backfilling electrical trench. 6:00 Left site. 10 loads of riprap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/5/11
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Holdman	OPR				y	11.0
Oscar Gonzalez	LB				y	11.0
Justino Gonzalez	LB				y	11.0
Nicolas Francis	LB				y	11.0
Richard (Yogi) Guajardo	OPR				y	11.0
Juan Gomez	LB				y	11.0
					y	11.0
					TOTAL RECON HOURS	99.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					8.0
					TOTAL HOURS	8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/thumb	EXC081	11	Owned	
D6 XR Dozer	DZR040	11	Owned	
TA 30 Off Road Truck	OPT056	11	Owned	
TA 30 Off Road Truck	OPT070	11	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	11	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	5	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin hauling RCC material into stage 1. Flooding stage 2. Installing last caps on cleanouts and covering up. 12:00 Lunch. 12:30 Foley out to work on 4" pump. Sent out 3" pump in with them to maintenance. 1:30 Set and bolted blower on slab. Plumbed into aeration lines. 6:30 Left site. 109 loads of RCC in stage 1.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/7/11
DAY OF WEEK: Monday
WEATHER/TEMP: Rain 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	5.5
Roger Huth	SSO				y	5.5
Steve Holdman	OPR				y	5.5
Oscar Gonzalez	LB				y	5.5
Justino Gonzalez	LB				y	5.5
Nicolas Francis	LB				y	5.5
Richard (Yogi) Guajardo	OPR				y	5.5
Juan Gomez	LB				y	5.5
					TOTAL RECON HOURS	46.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					6.5
Mike Davidson	MWH					
Angela Bazzill	AES					
Jon Kee	AES					
					TOTAL HOURS	6.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	5.5	Personal	
Site Truck	Huth	5.5	Personal	
336 Excavator w/thumb	EXC081	5.5	Owned	
D6 XR Dozer	DZR040	5.5	Owned	
TA 30 Off Road Truck	OPT056	5.5	Owned	
TA 30 Off Road Truck	OPT070	5.5	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	5.5	Owned	
Grease Skid	GRS009		Owned	
310G JD Backhoe	BKH018	2	Owned	
20' Conex	CON004	5.5	Owned	
20' Conex	MobMini	5.5	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	5.5	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling RCC into stage 1. Young Electric installing blower electrical. Backfilling 3" blower line. 9:30 Weekly meeting. 11:30 Finished hauling all of the onsite RCC material. Lightning shutdown. 12:00 Lunch. 1:00 Sent everyone home because of rain. 1:30 Electricians finished up blower electrical. Started blower. 2:00 Left site. 32 Loads of RCC material.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $2,504.46.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/10/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 36

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holdman	OPR				y	10.0
Oscar Gonzalez	LB				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Francis	LB				y	10.0
Richard (Yogi) Guajardo	OPR				y	10.0
Juan Gomez	LB				y	10.0
					TOTAL RECON HOURS	80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Brian Kallman	El Paso					
Steve Berry	RECON					10.0
					TOTAL HOURS	20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/thumb	EXC081	6	Owned	
D6 XR Dozer	DZR040		Owned	
TA 30 Off Road Truck	OPT056	6	Owned	
TA 30 Off Road Truck	OPT070	6	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	2	Owned	
20' Conex	CON004	6	Owned	
20' Conex	MobMini	6	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	6	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley	6	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Rolling out fabric on slopes in stage 1. Topping off final drives in TA 30's. 9:00 Hauling rip rap that we could put in. We could not put the rip rap on NW corner because of wet conditions. 1:45 Took both 4" pumps back to Foley. Picked up vent for blower at Home Depot. Picked up 4" pump from Lee Matthews. Working on covering on ows. Stopped working on it due to needing to backfill beside the poles which would cause us to be too close to the powerlines. Electricians will be onsite Monday and we will get them to shut down power and perform the work then. Serviced gator ATV014. Cleaned and fueled rental excavator and called of rent. 5:30 Left site. Loads of rip rap 8

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/11/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 45

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.5
Roger Huth	SSO				y	9.5
Steve Holdman	OPR				y	9.5
Oscar Gonzalez	LB				y	9.5
Justino Gonzalez	LB				y	9.5
Nicolas Francis	LB				y	8.0
Richard (Yogi) Guajardo	OPR				y	9.5
Juan Gomez	LB				y	9.5
					TOTAL RECON HOURS	74.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					9.5
Doug Mait	MWH					
					TOTAL HOURS	9.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9.5	Personal	
Site Truck	Huth	9.5	Personal	
336 Excavator w/thumb	EXC081	3	Owned	
D6 XR Dozer	DZR040	4	Owned	
TA 30 Off Road Truck	OPT056		Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037	8	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH018	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	
320 Excavator	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water from stage 2. Pointing rail. Working on ows. Completed Steve Barry's punch list. 12:00 Lunch. Pushing RCC material over the remaing pipes in stage 1. 1:30 Installing vent on blower and additonal pvc fittings for Stuart. 3:30 Installing pipe in HCS #2 to tie float to. 5:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/1/11
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	7.0
Roger Huth	SSO				y	7.0
Steve Holzman	OPS				y	7.0
Oscar Gonzalez	LR				y	7.0
Justino Gonzalez	LR				y	7.0
Nicolas Franco	LR				n	
Richard (Yogi) Quezada	OPS				y	7.0
Juan Gomez	LR				y	7.0

TOTAL RECON HOURS: 49.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MAH					7.0

TOTAL HOURS: 7.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	7	Personal	
Site Truck	Huth	7	Personal	
336 Excavator w/thumb	EXC001	5	Owned	
D6TPX Dozer	DZR046		Owned	
TA 35 Off Road Truck	DPT058	1	Owned	
TA 35 Off Road Truck	DPT035	1	Owned	
4" Water Pump	PPD007	1	Owned	
Gator	ATV014	2	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	4	Owned	
20' Cones	CON004	8	Owned	
20' Cones	MobMin	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMin	8	Rental	
2000 Gal Water Truck	Foley		Rental	
336 Excavator	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Painting railing. Install final rip rap on slope in stage 1. Riprap 100%. Pumping water. 12:00 Lunch Putting rock on the road. 2:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/5/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	9.5
Roger Huth	SSO				y	9.5
Steve Holzman	OPS				y	9.5
Oscar Gonzalez	LR				y	9.5
Justino Gonzalez	LR				y	9.5
Nicolas Franco	LR				n	
Richard (Yogi) Quezada	OPS				y	9.5
Juan Gomez	LR				y	9.5

TOTAL RECON HOURS: 66.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					4.5
Stuart Klaus	MAH					5.0
Mike Davidson	MAH					
Angela Babbit	AES					
Jon Kim	AES					

TOTAL HOURS: 9.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9.5	Personal	
Site Truck	Huth	9.5	Personal	
336 Excavator w/thumb	EXC001	5	Owned	
D6TPX Dozer	DZR046		Owned	
TA 35 Off Road Truck	DPT058		Owned	
TA 35 Off Road Truck	DPT035		Owned	
4" Water Pump	PPD007	5	Owned	
Gator	ATV014	5	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Cones	CON004	8	Owned	
20' Cones	MobMin	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMin	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Topsoil on ows. Cornejo delivering gravel for stage 1. Building water stand for water truck. Young Electric installing electrical to ows. 12:00 Lunch. 12:30 Final grading on ows and building steps up to the top. 2:30 Moved 4" pump to pump water back to furthest south sensitive area for testing tomorrow. 5:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/1/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				n	
Richard (Yogi) Quezada	OPS				y	10.0
Juan Gomez	LR				y	10.0

TOTAL RECON HOURS: 70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MAH					10.0
Mike Davidson	MAH					
Steve Berry	RECON					

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/thumb	EXC001	8	Owned	
D6TPX Dozer	DZR046	5	Owned	
TA 35 Off Road Truck	DPT058	5	Owned	
TA 35 Off Road Truck	DPT035	5	Owned	
4" Water Pump	PPD007	8	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Cones	CON004	8	Owned	
20' Cones	MobMin	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMin	8	Rental	
2000 Gal Water Truck	Foley	3	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling rock into stage 1. Watering roads. Grading area in bottom of stage 1. Painting second coat on railing. 12:00 Lunch. 12:30 Moved 4" pump to pump out more water from wetlands. Demoed 6" pipe that was on the west slope of stage 2. Working on grading areas around stage 1&2. 5:30 Left site. 12 loads of gravel in stage 1.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/9/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Snow 45

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Quezada	OPS				y	10.0
Juan Gomez	LR				y	10.0

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MAH					8.0
Mike Davidson	MAH					
Doug Mick	MAH					2.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/thumb	EXC001	8	Owned	
D6TPX Dozer	DZR046	8	Owned	
TA 35 Off Road Truck	DPT058	8	Owned	
TA 35 Off Road Truck	DPT035	8	Owned	
4" Water Pump	PPD007	10	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Cones	CON004	8	Owned	
20' Cones	MobMin	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMin	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling materialinto stage 1. Cornejo delivered 244.68 tons of gravel. Young Electric installing electrical on ows. Painting rail. Pumping water out of stage 3. 12:00 Lunch. 12:30 Grading areas around stage 1&2. Seeding areas. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Cornejo delivered 244.68 tons of gravel.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 11/7/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Steve Hickman	OPIII				y	11.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Franco	LII				y	10.0
Richard (Yogi) Guajardo	OPIII				y	10.0
Juan Gomez	LII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Brian Kellman	El Paso					
Steve Berry	RECON					

TOTAL RECON HOURS: 86.0 — TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
336 Excavator w/ thumb	EXC081	5	Owned	
D6TFX Dozer	DZR046	5	Owned	
TA 30 Off Road Truck	DPT056	3	Owned	
TA 30 Off Road Truck	DPT070	3	Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MisMkt	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MidMkt	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Cornejo delivered gravel 110.55 tons. Finished RCC into stage 1. Seeding areas (own, around stage 1&2). 10:30 Begin working on rail extension for apt. 12:00 Lunch. 12:30 Place riprap on slope where trucks entered stage 1. 1:30 Grading around stage 2. 2:15 Dozer hit a junction box on east side of stage 2. 3:20 Called Tim Meade and let him know about the situation. Called Young Electric to come out and fix it. 4:15 Left to take Steve to take drug screen. 4:45 Young Electric onsite to make repairs. 5:30 Recon employees left site. 8:00 Young Electric left site with us after finishing the repairs.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Cornejo delivered 110.55 tons of gravel.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 11/8/11
DAY OF WEEK: Friday
WEATHER/TEMP: Windy 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPIII				y	10.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Franco	LII				y	10.0
Richard (Yogi) Guajardo	OPIII				y	10.0
Juan Gomez	LII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Doug Mick	MWH					

TOTAL RECON HOURS: 80.0 — TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC081		Owned	
D6TFX Dozer	DZR046	4	Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037	6	Owned	
Gator	ATV014	3	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	4	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MidMkt	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MidMkt	8	Rental	
2000 Gal Water Truck	Foley	8	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading around stage 2. Continued rail installation. Watering roads to control dust. 10:45 Stop work to relocate guys on performing the work safety and not thinking about the Thanksgiving holiday. 12:00 Lunch. 12:30 Performing hazard hunt on remaining tasks for today and Monday. 2:15 Back to work. Cleaning off decon pad. 4:30 Finished installing rail and begin painting. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 11/2/11
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPIII				y	10.0
Oscar Gonzalez	LIII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Franco	LII				y	10.0
Richard (Yogi) Guajardo	OPIII				y	10.0
Juan Gomez	LII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Angela Bublitz	AES					
Jon Kee	AES					

TOTAL RECON HOURS: 80.0 — TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC081	3	Owned	
D6TFX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	7	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MidMkt	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MidMkt	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hogoboom onsite to vac out temporary ows and oil tank. Young Electric installed heaters in breaker box. AES seeding benches. Installing plates on holes on spl. 10:30 Moving bentonite onto decon pad. Adjusting gates in hce's. 12:00 Lunch. Waste Connections emptied trash bin. 2:30 Finished moving bentonite and covered with plastic. Begin demo by temp ows. 5:00 Finished adjusting gates in hce's. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Hogoboom vac out temp ows $280.00.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 11/3/2011
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OPIII				y	3.0
Oscar Gonzalez	LIII				y	1.5
Justino Gonzalez	LII				y	1.5
Nicolas Franco	LII				y	3.0
Richard (Yogi) Guajardo	OPIII				y	
Juan Gomez	LII				y	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
Steve Berry	RECON					

TOTAL RECON HOURS: 39.0 — TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC081		Owned	
D6TFX Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT056		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014		Owned	
Grease Skid	GRS009		Owned	
310G JD Backhoe	BKH016		Owned	
20' Conex	CON004		Owned	
20' Conex	MidMkt		Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MidMkt		Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Inspected site and determined that it was too wet to perform our work safetly and efficient. Going to remove blower motor and when I checked to make sure we had no power one ground wire was not tight. Stuart and Jerold found that we were not getting a full 480 to the main panel which was probably the cause of the motor not working. They had their electrician come out and repair some connections. The blower works now. Roger working on near tows with dozer. Yogi demobed to San Antonio, TX. Juan demobed to Houston, TX. Steve drove to Hemphill, TX. Oscar drove to Oakcliff, TX. Justino drove to Oakcliff, TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/2/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	
Richard (Yogi) Guajardo	OPII				y	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					5.0
Stuart Klaus	MWH					10.0
Mike Davidson	MWH					
Steve Berry	RECON					

TOTAL RECON HOURS: 50.0 — TOTAL HOURS: 15.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC061	10	Owned	
D61PX Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070	4	Owned	
4" Water Pump	PPD027	10	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MacMac	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
42' Job Shack	MacMac	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Placed hoses om 4" pump to pump down se pond so we can install ess13. 8:15 Hazard hunt to find hazards on installing marking poles for junction boxes and monitoring wells. 9:30 Weekly meeting. Continued demo of area south of decon pad . Removed tire off of ptv014 to get flat fixed. Installing additional marker poles on monitoring wells and junction boxes. 12:00 Lunch. 1:30 Pumped water out of sump for demo. 5:30 Left site. Yogi moved back from rotation. Nicolas flew back in.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/3/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 46

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					
Mike Davidson	MWH					
Doug Mirk	MWH					

TOTAL RECON HOURS: 70.0 — TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC061	10	Owned	
D61PX Dozer	DZR049	10	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD027	10	Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	3	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MacMac	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
42' Job Shack	MacMac	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Start working on area for stabilization test but found a leaking line in the primary pond; began investigation. Pumping water from se pond to stage 3. Installing visibility poles on monitoring wells and junction boxes. 11:45 Determined water was coming from the spi line that went to the sumps. 12:00 Lunch. 12:30 Started pumping down spi w/ 3" pump. 1:30 Covered bentonite with tarp. 2:00 Moved 4" pump to spi to help pump remaining water out of spi. 4:00 Backfilling hole where sump was. Finished pumping down spi. Ordered grout from CMC. 4:30 Poured grout in spi to re-plug line, 7cy. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

7 cyds of grout from CMC.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/1/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Steve Holzman	OPII				y	10.5
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.5
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Tim Meade	RECON					10.5
Steve Berry	RECON					

TOTAL RECON HOURS: 71.5 — TOTAL HOURS: 31.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	10.5	Personal	
Site Truck	Huth	10.5	Personal	
336 Excavator w/ thumb	EXC061	10	Owned	
D61PX Dozer	DZR049	5	Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070	1	Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	5	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MacMac	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
42' Job Shack	MacMac	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working on preparing pilot test area. Grading area where demo was to prepare for temp seeding. Pumping water from se pond into stage 3. Finished installing tarp on bentonite. 9:30 Performing temp seeding around wetlands. 10:45 Finished preparing pilot test area. Removing pipes around primary pond. 12:00 Lunch. 12:30 Moving scrap metal to scrap box and loading roll off box. 1:30 Installing silt fence along river. 3:15 Stopped pumping water from se pond and began dumping ess13 in pond. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 12/2/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPII				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPII				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					5.0
Stuart Klaus	MWH					10.0
Doug Mirk	MWH					
Tim Meade	RECON					5.0

TOTAL RECON HOURS: 70.0 — TOTAL HOURS: 20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC061	5	Owned	
D61PX Dozer	DZR049		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070	1	Owned	
4" Water Pump	PPD027		Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS005	1	Owned	
310G JD Backhoe	BKH016	6	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MacMac	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
42' Job Shack	MacMac	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Picked up pump hoses for 4" pump. Continued installing silt fence. Continued seeding and fertilizing. Went with Stuart to look at mpa erosion repair. Also looked at Arcadis concrete pile to see what could go in the primary pond and what couldn't. 10:30 Begin mpa erosion repairs. Excavator 5 hrs. Backhoe 4 hrs. Offroad 1 hrs. 2 laborers 5 hrs. 12:00 Lunch. 1:00 Spreading fertilizer on areas. 4:15 Emergency evacuation drill. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 12/5/11
DAY OF WEEK: Saturday
WEATHER/TEMP:

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				n	
Roger Huth	SSO				n	
Steve Holzman	OPS				n	
Oscar Gonzalez	LR				n	
Justino Gonzalez	LR				n	
Nicolas Franco	LR				n	
Richard (Yogi) Guajardo	OPS				n	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Stuart Klaus	MWH					

TOTAL RECON HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal	
Site Truck	Huth		Personal	
336 Excavator w/ thumb	EX0361		Owned	
DR/PR Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014		Owned	
Grease Sled	GRS009		Owned	
310G JD Backhoe	BKH016		Owned	
25' Cones	CON064		Owned	
25' Cones	MisMkr		Rental	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr		Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Hauled 8 loads of concrete debris from Pester site to Primary Pond- Work performed for ARCADIS

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 12/5/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 30

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	7.0
Roger Huth	SSO				y	7.0
Steve Holzman	OPS				y	7.0
Oscar Gonzalez	LR				y	7.0
Justino Gonzalez	LR				y	7.0
Nicolas Franco	LR				y	7.0
Richard (Yogi) Guajardo	OPS				y	7.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					
Mike Davidson	MWH					5.0

TOTAL RECON HOURS: 49.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	7	Personal	
Site Truck	Huth	7	Personal	
336 Excavator w/ thumb	EX0361	7	Owned	
DR/PR Dozer	DZR046	7	Owned	
TA 30 Off Road Truck	DPT058	7	Owned	
TA 30 Off Road Truck	DPT070	7	Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014		Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	2	Owned	
25' Cones	CON064	8	Owned	
25' Cones	MisMkr	8	Rental	

TOTAL HOURS: 5.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin working on roads with backhoe, excavator, and offroad truck; site received approximately 1-inch of rain over weekend resulting in wet conditions. 8:30 Weekly meeting. 10:30 Begin hauling remaining concrete from Pester for Arcadis. 12:00 Lunch. 2:00 Finished hauling concrete and begin hauling and begin hauling gravel on roads; 18 total loads of concrete debris from Pester site. 4:00 Laying out grids for stabilization test. 6:30 Left site. 7 loads of gravel. 2 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 12/6/11
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 15

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	15.0
Roger Huth	SSO				y	15.0
Steve Holzman	OPS				y	13.0
Oscar Gonzalez	LR				y	15.0
Justino Gonzalez	LR				y	10.5
Nicolas Franco	LR				y	10.5
Richard (Yogi) Guajardo	OPS				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					15.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Jerald Nordmeyer	RECON					5.0

TOTAL RECON HOURS: 91.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	15	Personal	
Site Truck	Huth	15	Personal	
336 Excavator w/ thumb	EX0361	15	Owned	
DR/PR Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD057		Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
25' Cones	CON064	8	Owned	
25' Cones	MisMkr	8	Rental	

TOTAL HOURS: 50.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Preparing for slag trucks. 8:30 CMC delivered 5.5 tons of portland cement. Cleaning tracks on dozer. Slag trucks not arriving until after lunch. 12:00 Lunch. Best Supply delivered steel for rail. 2:30 Trucks arrived with slag. 3:00 Begin blowing off slag. 3:30 The slag was dustier than anticipated and we had to stop working and build a cover for it. 6:00 Yogi, Justino, and Nicolas left for the day. Continued off loading slag; first truck is unloading very slow 7:30 Finished off loading first truck and began second. Material from second truck is flowing better, but still slower than expected 10:30 Finished off loading second truck. Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

CMC delivered 5.5 tons of portland cement. 48.95 tons of 120 slag delivered.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 12/7/11
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 18

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Holzman	OPS				y	10.0
Oscar Gonzalez	LR				y	10.5
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Guajardo	OPS				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
Doug Mirk	MWH					

TOTAL RECON HOURS: 70.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EX0361	10	Owned	
DR/PR Dozer	DZR046		Owned	
TA 30 Off Road Truck	DPT058		Owned	
TA 30 Off Road Truck	DPT070		Owned	
4" Water Pump	PPD057	4	Owned	
Gator	ATV014	8	Owned	
Grease Sled	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
25' Cones	CON064	8	Owned	
25' Cones	MisMkr	8	Rental	

TOTAL HOURS: 20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MisMkr	8	Rental	
2000 Gal Water Truck	Foley	4	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working on rail. Stabilizing the two grids we unloaded on yesterday. 12:00 Lunch 12:30 Perparing for ows cleanout. 12:45 Hogoboom arrived. Went to pig line by mpa for MWH. 2:00 Begin cleaning out ows using water truck and two laborers. 6:00 Finished cleaning out ows and Hogoboom left the site. Collected samples of the stabilized soil and put them in warm water bath in the garage at the house. 8:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Hogoboom onsite for 4 hrs.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/8/11
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Steve Hickman	OP2				y	10.0
Oscar Gonzalez	LR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Franco	LR				y	10.0
Richard (Yogi) Quijano	OP3				y	10.0
				TOTAL RECON HOURS		70.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					10.0
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					8.0
					TOTAL HOURS	20.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
336 Excavator w/ thumb	EXC001	8	Owned	
D6 XL Dozer	DZR046		Owned	
TA 30 Off Road Truck	OPT050		Owned	
TA 30 Off Road Truck	OPT070		Owned	
4" Water Pump	PPD037		Owned	
Gator	ATV014	10	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	3	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:45 First slag truck arrived and begin off loading. Working on rail. 9:45 Finished unloading first load of slag. Grading roads. 10:00 Young Electric arrived to do electrical install of lights at OWS. 11:00 Lunch. 2:00 Second slag truck arrived and off loaded; performing general site maintenance activities. 4:00 Finished off loading slag. Finished installing rail. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

51.62 tons of grade 100 slag

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4881

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/9/11
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 45

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Roger Huth	SSO				y	8.0
Steve Hickman	OP2				y	8.0
Oscar Gonzalez	LR				y	8.0
Justino Gonzalez	LR				y	8.0
Nicolas Franco	LR				y	8.0
Richard (Yogi) Quijano	OP3				y	8.0
				TOTAL RECON HOURS		56.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					8.0
Stuart Klaus	MWH					8.0
Todd Muehlroth	El Paso					1.0
Brian Kellman	El Paso					1.0
Scott Kulkarny	Kinder Morgan					1.0
Bart Wilking	El Paso					1.0
Mike Hanuk	Kinder Morgan					0.5
					TOTAL HOURS	19.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	8	Personal	
336 Excavator w/ thumb	EXC001	8	Owned	
D6 XL Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	OPT050	8	Owned	
TA 30 Off Road Truck	OPT070	8	Owned	
4" Water Pump	PPD037	8	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Stabilizing areas C and D in west pond. Young Electric onsite installing electric. Picking up hoses from slag trucks. El Paso and Kinder Morgan onsite. Separating good pallets from bad pallets. Placing bentonite bags in rolloff and old pallets. 12:00 Lunch. 12:30 Delivered good pallets to El Dorado Recylcing Center. 13:00 Performed field pocket penetrometer tests on Grids A and B; both had minimum of 17.5psi reading. 2:30 Took samples of stabilized area and made cylinders. 3:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4881

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/12/11
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 30

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Steve Hickman	OP2				y	11.0
Oscar Gonzalez	LR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Franco	LR				y	11.0
Richard (Yogi) Quijano	OP3				y	11.0
Curtis Buhl	OP2				y	11.0
				TOTAL RECON HOURS		88.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Rick Meyers	RECON					
Matt Meyers	RECON					
Stuart Klaus	MWH					5.0
Mike Davidson	MWH					5.0
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
336 Excavator w/ thumb	EXC001	4	Owned	
D6 XL Dozer	DZR046	8	Owned	
TA 30 Off Road Truck	OPT050	8	Owned	
TA 30 Off Road Truck	OPT070	8	Owned	
4" Water Pump	PPD037	1	Owned	
Gator	ATV014	8	Owned	
Grease Skid	GRS009	1	Owned	
310G JD Backhoe	BKH016	8	Owned	
20' Conex	CON004	8	Owned	
20' Conex	MobMini	8	Rental	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
40' Job Shack	MobMini	8	Rental	
2000 Gal Water Truck	Foley	4	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

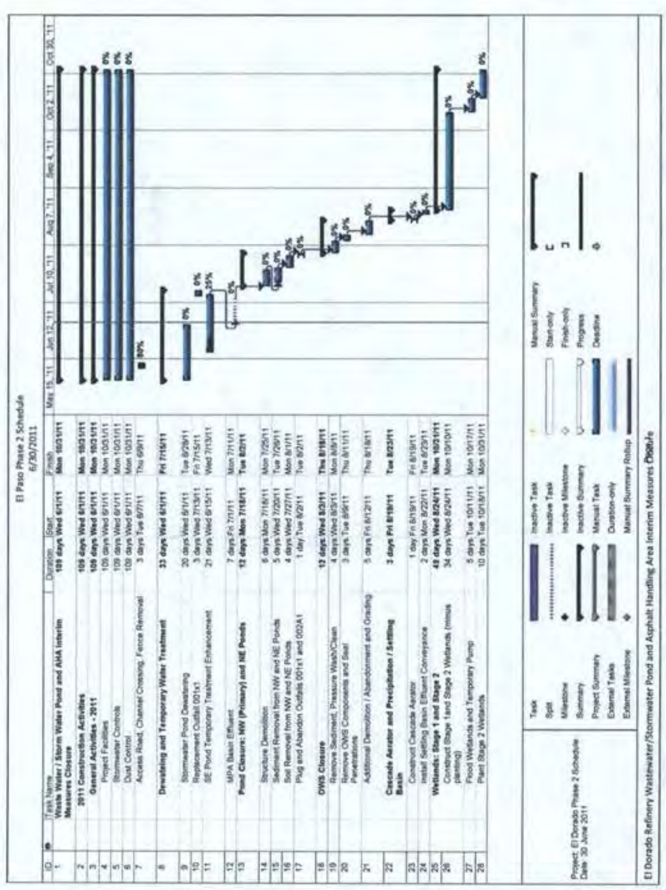
7:00 Safety meeting. 7:30 Preparing to remove outfall pipe from river bank. 8:30 Removed pipe from river bank. Weekly meeting. 10:30 Cleaned boom on excavator from slag. 11:00 Begin excavating with backhoe to find leaky pipe by mpa sumps. 11:30 Young Electric arrived to work on electrical install. 12:00 Lunch. 12:30 Continued working on finding leak. 3:00 Found leak and got parts and began repair. Have one more pipe to connect in the morning. 6:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4881



Young Electric, Inc
3046 E. 31st Street South
Wichita, Kansas 67216

316-681-8118
Fax 316-681-8155

July 12, 2011 Quote: Q-5578

Matt Meyers
Remedial Construction Services, L.P.
1488 Cox Avenue
Erlanger, KY 41018

Matt,

Please accept the following quotation for labor and bucket truck costs for a day of demolition and removal of abandoned electrical underground and overhead. All work quoted to be performed during regular business hours. Key aspects of our proposal are as follows:

- Provide 1 each electrician and electrician's apprentice (2 men) for 8 hours of demolition labor. This includes labor for location and identification of all critical circuits as well as disconnection and removal of all unwanted or abandoned circuits that may be hit during future excavation on the jobsite.
- Provide bucket truck rental for 1 full 8 hour day onsite.
- This quote does not include any excavation, trenching, or backfilling of trenching as it is understood that mechanical contractor or other will provide this service for all trades during this project.

Price: $993.00 not including applicable sales tax or special freight.

Thank you for the opportunity to quote this project. If you have any questions or concerns, please don't hesitate to call me.

Regards,

Cori J. Young
Young Electric, Inc.

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 9/13/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Windy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	B3O				y	10.0
Oscar Gonzalez	L/I				y	10.0
Steve Holeman	OP/I				y	10.0
Kenny Alsma	OP/I				y	10.0
Justino Gonzalez	L/I				y	10.0
Nicolas Gonzalez	L/I				y	10.0
Kevin Wilson	L/I				y	10.0
Chris Mangum	OP/I				y	10.0
Lenny Hanson	OM				y	10.0

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					8.0

TOTAL HOURS: 8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
360 Excavator	EX0365	2	Owned	
D61 Dozer	DZR046	2	Owned	
TA 30	DPT008	2	Owned	
TA 30	DPT010	2	Owned	
TA 30	DPT073	2	Owned	
TA 30	DPT076	2	Owned	
4" Water Pump	PP0057	10	Owned	
310 Backhoe	BKH015		Owned	
Grease Sled	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186			
84" Compactor	ROL010			
2000 gal water truck	WT0010			
84" Compactor	VLP		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Start pumps, JSA and HASP review. 12:00 Lunch. 12:30 Continued JSA review. Site orientation. 2:05 VLP arrived to replace outrigger pin on BK0015. 2:30 Site walk with guys. 3:00 JSA/Pre. 3:30 Begin hauling rack for entrance to AHA. 4:00 Begin hauling soil. 5:30 Left site. Lenny mobed in from Toledo, OH.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 9/14/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Windy 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	B3O				y	10.0
Oscar Gonzalez	L/I				y	10.0
Steve Holeman	OP/I				y	10.0
Kenny Alsma	OP/I				y	10.0
Justino Gonzalez	L/I				y	10.0
Nicolas Gonzalez	L/I				y	10.0
Kevin Wilson	L/I				y	10.0
Chris Mangum	OP/I				y	10.0
Lenny Hanson	OM				y	10.0

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
360 Excavator	EX0365	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT008	10	Owned	
TA 30	DPT010	10	Owned	
TA 30	DPT073	10	Owned	
TA 30	DPT076	10	Owned	
4" Water Pump	PP0057	10	Owned	
310 Backhoe	BKH015		Owned	
Grease Sled	GRS009	4	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186	10		
84" Compactor	ROL010			
2000 gal water truck	WT0010			
84" Compactor	VLP		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:40 Equipment check. Pickup 4" hose from bottom of west pond. Moving concrete in primary pond w/ excavator. 8:30 Begin hauling AHA soil to primary pond. 9:30 setup 2" pump w/ generator between stage 2 & 3. 10:30 Installed t-post along 4" discharge to keep it from rolling down the slopes. 12:00 Lunch. 12:30 Touching up visual markers around the site. 2:30 Foley Cat delivered 4" water pump. 3:00 Hooked up 4" water pump between stage 2 & 3. 5:00 Fueling and greasing and picking up pumps. 145 loads @ 14 cy = 2,030 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 9/15/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Windy 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	B3O				y	10.0
Oscar Gonzalez	L/I				y	10.0
Steve Holeman	OP/I				y	10.0
Kenny Alsma	OP/I				y	10.0
Justino Gonzalez	L/I				y	10.0
Nicolas Gonzalez	L/I				y	10.0
Kevin Wilson	L/I				y	10.0
Chris Mangum	OP/I				y	10.0
Lenny Hanson	OM				y	10.0

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
360 Excavator	EX0365	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT008	2	Owned	
TA 30	DPT010	2	Owned	
TA 30	DPT073	2	Owned	
TA 30	DPT076	2	Owned	
4" Water Pump	PP0057	10	Owned	
310 Backhoe	BKH015	2	Owned	
Grease Sled	GRS009	4	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186	10		
84" Compactor	ROL010			
2000 gal water truck	WT0010			
84" Compactor	VLP		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:50 Installed dirt berm in ditch by ahs. Begin construction berm across west pond. Pumping water. 8:00 Seeding areas on ows and slope of stage 1 and 2. Finish painting rail on settling basin. 11:00 Water truck and compactor arrived. Compactor wouldnt start; contact mechanic for repairs. 12:00 Lunch. 1:30 Compacting in the primary pond. 3:30 Finished first berm across west pond. Begin hauling AHA soils. 5:30 Left site. 20 Loads @ 14cy = 280cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/16/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPR				y	10.0
Kenny Albins	OPR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	10.0
Lanny Nelson	CM				y	10.0
					TOTAL RECON HOURS	100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
300 Excavator	EXC065	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT068	8	Owned	
TA 30	DPT070	8	Owned	
TA 30	DPT073		Owned	
TA 30	DPT078		Owned	
4" Water Pump	PPD037	10	Owned	
310 Backhoe	BKH016	1	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	10		
84" Compactor	ROL010			
2000 gal water truck	WTK010	8		
84" Compactor	VLP	3	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:50 Begin constructing berm in west pond. Measuring and constructing shelves in cones. Watering roads and pumping water. 9:45 VLP arrived to work on ROL010. 11:30 Replaced 120' lay flat hose. 12:00 Lunch. 1:00 Locate cleanouts for Stuart. 2:45 Begin hauling AHA soil to primary pond. 5:30 Left site. 26 loads @ 14cy = 364cy pond soil. 23 loads @ 14cy = 322cy AHA soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/19/12
DAY OF WEEK: Monday
WEATHER/TEMP: Rain 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	8.0
Roger Huth	SSO				y	7.0
Oscar Gonzalez	LR				y	7.0
Steve Hickman	OPR				y	7.0
Kenny Albins	OPR				y	5.0
Justino Gonzalez	LR				y	7.0
Nicolas Gonzalez	LR				y	7.0
Kevin Wilson	LR				y	5.0
Chris Mangrum	OPR				y	5.0
Lanny Nelson	CM				y	7.0
					TOTAL RECON HOURS	65.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	7	Personal	
300 Excavator	EXC065	5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT068	5	Owned	
TA 30	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT078	5	Owned	
4" Water Pump	PPD037	10	Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	7	Owned	
84" Compactor	VLP	5	Rental	
2000 gal water truck	WTK010		Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex		8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 JSAP's and begin work. Pumping water. Hauling AHA soils to primary pond. Constructing shelves in cones. 8:30 Weekly meeting. 8:45 VLP arrived to get brakes released on ROL010 so we can get it out of the primary pond and onto a trailer. 11:00 Start cleaning up site for more more rain. 12:00 Lightning shut down. Enrique, Chris, Kevin, and Kenny left site. Lunch. 1:00 back to getting roller out. 1:45 Pulled roller out and secured site. 5:00 Turned off 4" pump. 21 loads @ 14cy = 294cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

2" of rain in the rain gauge

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/20/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Rain 40

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LR				y	10.5
Steve Hickman	OPR				y	
Kenny Albins	OPR				y	
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	
Kevin Wilson	LR				y	
Chris Mangrum	OPR				y	
Enrique Rodriguez	LR				y	
Lanny Nelson	CM				y	10.5
					TOTAL RECON HOURS	52.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
300 Excavator	EXC065	1	Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT068		Owned	
TA 30	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT078		Owned	
4" Water Pump	PPD037	8	Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	10.5	Owned	
84" Compactor	VLP		Rental	
2000 gal water truck	WTK010		Owned	
40' Office	Mobmini		Rental	
20' Conex	Mobmini		Rental	
20' Conex	CON024		Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley		Rental	
6" Water Pump	LEE	5	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water from areas of ponding and from west pond, 1 to 2, and 2 to 3. Organizing conex. 11:30 Lanny picked up rental 6" pump from Lee Mathews. Begin pumping w/ 6". 1:00 Lunch. 4:30 4" pumo quit pumping. Lanny inspected and determined to be an internal problem 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1" of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/21/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Rain 50

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	9.5
Roger Huth	SSO				y	9.5
Oscar Gonzalez	LR				y	
Steve Hickman	OPR				y	9.5
Kenny Albins	OPR				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	9.5
Kevin Wilson	LR				y	9.5
Chris Mangrum	OPR				y	
Enrique Rodriguez	LR				y	
Lanny Nelson	CM				y	9.5
					TOTAL RECON HOURS	57.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					9.5
Tim Meade	RECON					8.5
					TOTAL HOURS	18.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9.5	Personal	
Site Truck	Huth	9.5	Personal	
300 Excavator	EXC065	3	Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT068		Owned	
TA 30	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT078		Owned	
4" Water Pump	PPD037		Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166		Owned	
84" Compactor	VLP		Rental	
2000 gal water truck	WTK010		Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON024	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley		Rental	
6" Water Pump	LEE	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. 8:00 Removed 4" pump and setting the rental pump in place. Project kickoff meeting. Using 6" pump to pump down stage 2. 1:00 Finish pumping down stage 2. 3:00 RECON truck arrived with dust boxes. Loaded ROL010 and PPD037. 5:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

.8" of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 3/23/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Rain 50

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	8.5
Steve Holzman	OPS				y	8.5
Kenny Alumia	OPS				y	10.0
Justino Gonzalez	LR				y	8.5
Nicolas Gonzalez	LR				y	8.5
Kevin Wilson	LR				y	8.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 94.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					8.0

TOTAL HOURS: 8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085	1	Owned	
DR1 Dozer	DZR046		Owned	
TA 20	DPT008		Owned	
TA 30	DPT070		Owned	
TA 20	DPT073		Owned	
TA 30	DPT079		Owned	
4" Water Pump	PP0007		Owned	
210 Backhoe	BKH078		Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186	10	Owned	
44" Compactor	VLP		Rental	
2000 gal water truck	WTR010		Owned	
40' Office	Mobrent	8	Rental	
20' Conex	Mobrent	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	10	Rental	
4" Water Pump	Foley	10	Rental	
6" Water Pump	LEE		Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Setting up water pumps. 8:00 JSA review. 9:00 Mats arrived and unloaded. Slag supplier onsite for visit. 10:00 Continued JSA review. 12:00 Lunch. 1:25 KS Fire Equipment arrived to service fire extiguishers. 2:00 Steve, Nicolas, Oscar, and Justino left for the day. Machine test were performed by new employee's to the site. 3:45 Kevin left for the day. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

.25" of rain

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 3/23/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	
Kenny Alumia	OPS				y	
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	
Chris Mangrum	OPS				y	
Enrique Rodriguez	LR				y	
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 50.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085		Owned	
DR1 Dozer	DZR046		Owned	
TA 30	DPT070		Owned	
TA 20	DPT073		Owned	
TA 30	DPT079		Owned	
4" Water Pump	PP0007		Owned	
210 Backhoe	BKH078	2	Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186	10	Owned	
44" Compactor	VLP		Rental	
2000 gal water truck	WTR010		Owned	
40' Office	Mobrent	8	Rental	
20' Conex	Mobrent	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	9	Rental	
6" Water Pump	LEE	3	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. Water pumping. Pumping areas by AHA. Pumping from stage 1 to 2. Pumping from primary pond. Pumping from west pond to API. Pumping from stage 2 to 3. 11:30 Discovered oily material that we pumped to the API. Worked on cleaning it out. 1:10 Lunch. 1:40 Continued pumping water. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Wet site.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 3/24/12
DAY OF WEEK: Saturday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	8.0
Roger Huth	SSO				y	8.0
Oscar Gonzalez	LR				y	
Steve Holzman	OPS				y	
Kenny Alumia	OPS				y	8.0
Justino Gonzalez	LR				y	
Nicolas Gonzalez	LR				y	
Kevin Wilson	LR				y	
Chris Mangrum	OPS				y	8.0
Enrique Rodriguez	LR				y	8.0
Lanny Nelson	CM				y	8.0

TOTAL RECON HOURS: 48.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	8	Personal	
Site Truck	Huth	8	Personal	
350 Excavator	EXC085	8	Owned	
DR1 Dozer	DZR046	8	Owned	
TA 30	DPT008		Owned	
TA 20	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT079		Owned	
4" Water Pump	PP0007		Owned	
210 Backhoe	BKH078	4	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186	8	Owned	
44" Compactor	VLP		Rental	
2000 gal water truck	WTR010		Owned	
40' Office	Mobrent		Rental	
20' Conex	Mobrent		Rental	
20' Conex	CON054		Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	8	Rental	
6" Water Pump	LEE	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. 7:45 Pumped water from the west pond, stage 1, and 2. Drying out primary pond, roads, and the material in the N W corner of the west pond. 12:00 Lunch. 12:30 Continued working. 3:00 Fueling and greasing equipment. 3:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Wet site.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 3/26/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	10.0
Kenny Alumia	OPS				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Gamez	OP					
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 110.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085	10	Owned	
350 Excavator	EXC091	2	Owned	
DR1 Dozer	DZR046	10	Owned	
TA 30	DPT008	10	Owned	
TA 20	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT079	10	Owned	
210 Backhoe	BKH078	1	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST186	10	Owned	
44" Compactor	VLP	10	Rental	
2000 gal water truck	WTR010	10	Owned	
40' Office	Mobrent	8	Rental	
20' Conex	Mobrent	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	8	Rental	
6" Water Pump	LEE		Rental	
JD Gator	ATV014	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:40 JSAP's. 7:50 Pumping water. Hauling AHA soil to primary pond. 8:15 Preparing 6" pump to return to Lee Mathews. 8:30 Weekly meeting. 10:15 Lanny took 6" pump back. 10:30 Put dust box together. 12:00 Lunch. 12:30 Continued hauling soil. 3:00 Video tape Topeka St. prior to hauling. 4:30 Pick up pumps. 5:00 Fueling equipment. 5:30 Left site. 104 loads @ 14cy = 1,456 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX. 77064 / OFFICE: (281) 955-3443 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/27/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	ESO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Hickman	OPR				y	10.0
Kenny Allums	OPR				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	8.5
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LB				y	10.0
Carlos Garnica	QC					
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS		108.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC065	10	Owned	
350 Excavator	EXC051	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	OPT056	10	Owned	
TA 30	OPT070		Owned	
TA 30	OPT073		Owned	
TA 30	OPT078	10	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	10	Owned	
84" Compactor	VLP	10	Rental	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	8	Rental	
8" Water Pump	LEE		Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:40 JSAP's. 7:50 Pumping water. Hauling soil from AHA to primary pond. Moved dust box into position for tomorrow. 8:00 Excavated into test stabilization areas and it had been mixed good and all the way to the soil underneath. 11:00 Excavated test pit in AHA pond. The material was solid and appeared to be mixed with soil. Foley brought out 2-3" pumps to replace the 4" pump that broke down. 1:30 Steve began moving soil in NW corner of west pond out into the pond. 2:30 Layed out B1 grid for tomorrows mix. 4:30 Picking up pumps. 5:30 Left site. 91 loads @ 14cy = 1,1274cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/28/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	ESO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Hickman	OPR				y	10.0
Kenny Allums	OPR				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LB				y	10.0
Carlos Garnica	QC				y	13.5
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS		123.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC065	10	Owned	
350 Excavator	EXC051	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	OPT056	8	Owned	
TA 30	OPT070		Owned	
TA 30	OPT073		Owned	
TA 30	OPT078	10	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	10	Owned	
84" Compactor	VLP	8	Rental	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	8	Rental	
8" Water Pump	LEE		Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. 7:40 Pumping water. Hauling AHA soil to primary pond. 8:05 CMC arrived with portland. 8:30 Slag truck arrived. 9:20 Begin blowing off slag for B1 Mixing. 10:30 Finished blowing off. 10:30 - 12:15 Mixing time. 12:15 Finished mixing grid B1. 12:00 Lunch. 12:30 Contiuned hauling AHA soil. 2:30 Laying out B2 & 3 for tomorrow and topo corners. 4:00 Carlos arrived. 4:48 Picking up pumps. 5:00 Fueling and greasing equipment. 5:30 Left site. 73 loads @ 14cy = 1,022cy. 8 loads of concrete riprap for ramp and 2 loads of fines.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/29/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	ESO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Hickman	OPR				y	10.0
Kenny Allums	OPR				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LB				y	10.0
Carlos Garnica	QC				y	10.0
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS		120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC065	10	Owned	
350 Excavator	EXC051	10	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	OPT056	7	Owned	
TA 30	OPT070		Owned	
TA 30	OPT073		Owned	
TA 30	OPT078	7	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	10	Owned	
84" Compactor	VLP	7	Rental	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	8	Rental	
8" Water Pump	LEE		Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. Slag truck arrived. 7:25 JSAP's. 7:30 Portald cement arrived. 8:00 Begin unloading slag truck. Could not get slag to come out of the round dust box. Switched boxes and took apart and cleaned it out. 10:30 Finished unloading the first truck. 12:00 Lunch. 12:35 Finished unloading second truck. 1:05 Started mixing. 2:15 Finished mixing B2. 3:00 Collect samples from B2. 4:15 Finished mixing B3. Cells seem to have difficulting setting up as expected. 5:30 Left site. 52 loads @ 14cy = 728cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

53.89 tons of slag. 9 tons of portland

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 3/30/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	ESO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Hickman	OPR				y	10.0
Kenny Allums	OPR				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPR				y	10.5
Enrique Rodriguez	LB				y	10.0
Carlos Garnica	QC				y	10.0
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS		121.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC065	10	Owned	
350 Excavator	EXC051	10	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	OPT056	8	Owned	
TA 30	OPT070		Owned	
TA 30	OPT073		Owned	
TA 30	OPT078	8	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST166	10	Owned	
84" Compactor	VLP	8	Rental	
2000 gal water truck	WTK010	5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
4" Water Pump	Foley	8	Rental	
8" Water Pump	LEE		Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. 7:40 Pumping water. Continued hauling AHA soil to primary pond. Setting up using the can dust box. 7:40 Slag truck arrived. 8:50 Begin unloading first slag truck. 9:57 Finished unloading slag truck. 10:00 Slag truck arrived. 10:30 Began unloading slag. 11:10 Finished unloading slag. 11:15 Slag truck arrived. 11:33 Begin unloading slag. Topo primary pond. 11:45 CMC delivered portland cement. 12:15 Finished unloading slag. 12:00 Lunch. 12:25 Began mixing A8. 1:00 Mixing C1. 1:35 CMC delivered portland cement. 3:00 C1 and A8 finished mixing. After mixing B1 and C1 the soil is still very soft. B1 was mixed on 2-28-12. Visited with Stuart and Matt about the areas and will have conference call on Monday about it. Mixing A6 began. Started hauling AHA soil again. 5:00 Finished mixing A6. 5:30 Left site. 51 loads @ 14cy = 714cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

81.11 tons of slag. 8 tons of portland cement.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5529
DATE: 4/3/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	ESO				y	10.5
Oscar Gonzalez	LB				y	10.5
Steve Holzman	OPS				y	10.5
Kenny Alkins	OPS				y	10.5
Justino Gonzalez	LB				y	10.5
Nicolas Gonzalez	LB				y	10.5
Kevin Wilson	LB				y	10.5
Chris Mangrum	OPS				y	10.5
Enrique Rodriguez	LB				y	10.5
Carlos Garnica	QC				y	10.5
Larry Nelson	CM				y	10.5

TOTAL RECON HOURS: 136.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					5.5

TOTAL HOURS: 5.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
390 Excavator	EXC080	10	Owned	
390 Excavator	EXC081	10	Owned	
D61 Dozer	DZR048	10	Owned	
TA 30	DPT069	2	Owned	
TA 30	DPT070	2	Owned	
TA 30	DPT073		Owned	
TA 30	DPT078	2	Owned	
310 Backhoe	BKH078	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST108	10	Owned	
84" Compactor	VLP	2	Rental	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobile	8	Rental	
20' Conex	Mobile	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

TOTAL HOURS: 8.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:20 CMC arrived with cement. 7:30 JSAP's. 7:40 Preparing for slag trucks. Setting up water pumps. 7:52 First slag trucks arrived. Repaired pipe that takes water from stage 2 to HCB002. 8:31 Finished unloading slag . Repair silt fence. 8:31 CMC arrived with remaining cement. 10:10 Second slag trucks arrived. 11:26 Finished blowing off slag. 12:00 Lunch. 3:45 Kenny finished mixing. Began hauling AHA soil. 4:05 Steve finished mixing. 5:00 Laying out grids for next day. 5:15 Collect samples of A-6. 6:00 Left site. Mixed grids c- 3&4, A-7&8. 31 loads of aha soil @ 14cy = 434cy. 107.41 tons of slag. 12 tons of cement.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

107.41 tons of slag. 12 tons of cement.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5529
DATE: 4/5/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	ESO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Holzman	OPS				y	10.0
Kenny Alkins	OPS				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LB				y	10.0
Carlos Garnica	QC				y	10.0
Larry Nelson	CM				y	10.0

TOTAL RECON HOURS: 105.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.5

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
390 Excavator	EXC080	10	Owned	
390 Excavator	EXC081	10	Owned	
D61 Dozer	DZR048	8	Owned	
TA 30	DPT069		Owned	
TA 30	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT078		Owned	
310 Backhoe	BKH078	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST108	10	Owned	
84" Compactor	VLP		Rental	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobile	8	Rental	
20' Conex	Mobile	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

TOTAL HOURS: 10.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:20 First slag truck arrived. 7:30 JSAP's. Pumping water. 7:40 Preping for blowing off slag. 7:50 Second slag truck arrived. 8:10 Begin blowing dust. 10:30 Begin mixing; remixing cells B1, C1-5 utilizing two trucks between the cells. 11:50 Finished blowing off slag. 12:00 Lunch. 12:35 Kenny begin mixing. Building bows for rolloffs. 3:30 Roboff arrived for portland. 4:30 Finished mixing. Prep for tomorrow. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

12 tons of portland delivered from CMC. 107.11 tons of slag. Southwind oil delivered fuel $3,279.09.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5529
DATE: 4/4/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Roger Huth	ESO				y	8.0
Oscar Gonzalez	LB				y	8.0
Steve Holzman	OPS				y	8.0
Kenny Alkins	OPS				y	8.5
Justino Gonzalez	LB				y	8.0
Nicolas Gonzalez	LB				y	8.0
Kevin Wilson	LB				y	8.0
Chris Mangrum	OPS				y	8.5
Enrique Rodriguez	LB				y	8.5
Carlos Garnica	QC				y	8.0
Larry Nelson	CM				y	15.0

TOTAL RECON HOURS: 152.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					9.0

TOTAL HOURS: 9.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	8	Personal	
390 Excavator	EXC080	8	Owned	
390 Excavator	EXC081	8	Owned	
D61 Dozer	DZR048	3	Owned	
TA 30	DPT069		Owned	
TA 30	DPT070		Owned	
TA 30	DPT073		Owned	
TA 30	DPT078		Owned	
310 Backhoe	BKH078	3	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	ST108	10	Owned	
84" Compactor	VLP		Rental	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobile	8	Rental	
20' Conex	Mobile	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

TOTAL HOURS: 8.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. Mixing and unloading slag and cement. Pumping water. 12:00 Lunch. Enrique and Chris left for rotation. 3:00 Finished mixing grids A8, B6, B8, and B7. The material looked real good after they finished mixing; collected geotechnical samples from B8 . Fueling and greasing. Picking up pumps. 5:00 crew leaves site for rotation

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-5529
DATE: 4/1/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	ESO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Holzman	OPS				y	10.0
Kenny Alkins	OPS				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPS				y	
Enrique Rodriguez	LB				y	10.0
Carlos Garnica	QC				y	10.0
Royce West	OPS				y	8.0
Larry Nelson	CM				y	

TOTAL RECON HOURS: 106.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
390 Excavator	EXC080	10	Owned	
390 Excavator	EXC081	10	Owned	
D61 Dozer	DZR048	3	Owned	
TA 30	DPT069	2	Owned	
TA 30	DPT070	2	Owned	
390 Excavator	EXC034		Owned	
310 Backhoe	BKH078	6	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobile	8	Rental	
20' Conex	Mobile	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

TOTAL HOURS:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's Preping for slag trucks. Pumping water in wetlands. 8:30 CMC delivered portland cement. 9:51 Started blowing off slag trucks. 10:50 Mixing grids B9, C4, C5, and C6. 12:00 Lunch. 12:30 Continued mixing cells. 2:00 Start hauling AHA soil. 3:45 Replaced filters on DCC001. 5:00 Fueling and greasing equipment. 5:30 Left site. Received EXC034. Sent out DPT078. 18 loads of AHA soil @14cy = 252cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 4/11/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Cloudy 55

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holman	OPR				y	10.0
Kenny Allums	OPR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garnica	QC				y	10.0
Bruce West	OPR				y	10.0
Larry Nelson	CM				n	
				TOTAL RECON HOURS		120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
385 Excavator	EXC085	10	Owned	
350 Excavator	EXC051	10	Owned	
D61 Dozer	DZR046	2	Owned	
TA 30	OPT056		Owned	
TA 30	OPT070		Owned	
380 Excavator	EXC054	10	Owned	
310 Backhoe	BKH016	10	Owned	
Grease Skid	GRS008	1	Owned	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
84" Compactor	VLP	2	Rental	
2000 gal water truck	WTK010	2	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 JSAP's. 7:40 Setting water pumps and pumping water. Preping to unload slag. CMC arrived with portland. 8:00 Third dust collector arrived. Begin making repairs at MPA sumps. 1 operator, 2 laborers, 1 backhoe, and misc power tools. 8:10 Slag arrived. 10:00 Begin mixing. 12:00 Lunch. 12:15 Finished unloading slag. 2:30 Finished mixing. 3:00 Preparing areas for next day. Grading the area, staking new grids. performing treatability studies. 5:00 Fueling and greasing. 5:30 Left site. 5 loads of slag. 18 tons of portland cement.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 4/12/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Storms 60

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	5.5
Steve Holman	OPR				y	10.0
Kenny Allums	OPR				y	10.0
Justino Gonzalez	LR				y	5.5
Nicolas Gonzalez	LR				y	5.5
Kevin Wilson	LR				y	
Chris Mangrum	OPR				y	5.5
Enrique Rodriguez	LR				y	10.0
Carlos Garnica	QC				y	10.0
Bruce West	OPR				y	10.0
Larry Nelson	CM				n	
				TOTAL RECON HOURS		82.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
385 Excavator	EXC085	8	Owned	
350 Excavator	EXC051	8	Owned	
D61 Dozer	DZR046	1	Owned	
TA 30	OPT056		Owned	
TA 30	OPT070		Owned	
380 Excavator	EXC054	8	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS008	1	Owned	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
84" Compactor	VLP		Rental	
2000 gal water truck	WTK010		Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Preparing to unload slag trucks. 8:13 Unloading slag trucks. 8:48 CMC delivered portland cement. 9:30 Called 7th and 8th trucks off due to weather. 11:15 Lightning shut down. We had 2 trucks that were in the process of getting unloaded when we got shut down. Will wait to get unloaded. 12:48 Attempted to go back to work and there was more lightning. 1:00 Sent Oscar, Justino, Nicolas, and Chris home. 2:00 Started preping wet areas to unload. Finishing mixing areas that didn't get mixed. Last 2 trucks. 2:30 Unloading last two trucks into rolloff boxes. 5:00 Fueling and greasing equipment. 5:30 left site. 131.15 tons of slag. 12 tons of cement. Mixed D7, F5, F4, F7. Kevin out sick.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 4/13/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Oscar Gonzalez	LR				y	10.5
Steve Holman	OPR				y	11.0
Kenny Allums	OPR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Kevin Wilson	LR				y	10.5
Chris Mangrum	OPR				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garnica	QC				y	11.0
Bruce West	OPR				y	10.5
Larry Nelson	CM				n	
				TOTAL RECON HOURS		128.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
385 Excavator	EXC085	11	Owned	
350 Excavator	EXC051	10.5	Owned	
D61 Dozer	DZR046		Owned	
TA 30	OPT056		Owned	
TA 30	OPT070		Owned	
380 Excavator	EXC054	10.5	Owned	
310 Backhoe	BKH016	10	Owned	
Grease Skid	GRS008	1	Owned	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
84" Compactor	VLP		Rental	
2000 gal water truck	WTK010	2	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Preparing to unload slag. 7:45 CMC delivered portland. 8:45 Unloading slag trucks. 9:50 Working on sumps @ MPA. 10:10 Mixing grids. 12:00 Lunch. 12:30 Mixing grids. Pumping water. Working on MPA sumps. 3:00 Laying out areas for Monday. Took one sample from F6. Took pocket pens at various loactions. 5:30 Fueling and greasing. Steve building a pit for portland cement. 6:30 Left site. 105.09 tons of slag. 18 tons of cement. Grids F6, F8, F9, D0, D-1, D-2.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 4/16/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 70

PERSONNEL

EMPLOYEE NAME	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LR				y	12.0
Steve Holman	OPR				y	12.5
Kenny Allums	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangrum	OPR				n	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garnica	QC				y	12.0
Bruce West	OPR				y	12.0
					n	
				TOTAL RECON HOURS		145.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
385 Excavator	EXC085	12.5	Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	OPT056		Owned	
TA 30	OPT070	8	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
380 Excavator	EXC054	12	Owned	
310 Backhoe	BKH016	12	Owned	
Grease Skid	GRS008	8	Owned	

EQUIPMENT	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT
Dust Collector	DC04	8	Owned	
84" Compactor	VLP		Rental	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Pumping down west pond again and AHA because of Saturdays storms. Preparing for slag trucks. 7:35 Cement truck arrived from CTS. 8:10 Began unloading cement. 8:37 Slag trucks arriving. 8:40 Unloading slag trucks. 9:30 backfilling around mpa sumps. 10:15 Begin mixing. 12:00 Lunch. 12:30 Grading areas in west pond that had already been stabilized for trucks. Mixed one test grid 15%/5%/20%. 2:55 7th slag truck finished unloading. 5:12 Finished mixing grids. Fueling and greasing. 7:30 Left site. 185.76 tons of slag. 48.14 tons of cement. D1, F4, G8, G9, G10, G11, G12 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 4/17/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Roger Huth	SSO				y	13.0
Oscar Gonzalez	LB				y	13.0
Steve Holman	OPR				y	13.0
Kenny Adams	OPR				y	13.0
Justino Gonzalez	LB				y	13.0
Nicolas Gonzalez	LB				y	13.0
Kevin Wilson	LB				y	13.0
Chris Mangrum	OPR				y	13.0
Enrique Rodriguez	LB				y	13.0
Carlos Garnica	QC				y	13.0
Bruce West	OPR				y	13.0
					n	
TOTAL RECON HOURS						156.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	13	Personal	
Site Truck	Huth	13	Personal	
350 Excavator	EXC080	13	Owned	
350 Excavator	EXC051	13	Owned	
D61 Dozer	DZR048	5.5	Owned	
TA 30	DPT008	1	Owned	
TA 30	DPT070	1	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	13	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
64" Compactor	VLP		Rental	
2500 gal water truck	WTK012	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	13	Rental	
3" Water Pump	Foley	13	Rental	
3" Water Pump	Foley	13	Rental	
JD Gator	ATV014	1	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Pumping down west pond, stage 1, and stage 2. 7:52 Slag trucks started arriving. 8:00 Begin unloading slag. Installing temp line from HCS#2 to 3. 10:30 CTS arrived with first load of cement. 11:00 Begin unloading cement. 12:00 Lunch. 3:00 Finished installing temp pipe to HCS #3. 3:40 Finished unloading slag. 5:15 Finished unloading cement. 7:30 Finished mixing. Prep for tomorrow's grids. Hauled 7 loads of soil @ 14 cy = 98 cy. 8:00 Fueling and greasing. 9:30 Left site. 9 grids completed H8,9,10,11,12,E1,2,3 and D2. 9 loads of slag = 241.12 tons. 3 loads of cement = 75.70 tons.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 4/18/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LB				y	12.0
Steve Holman	OPR				y	12.0
Kenny Adams	OPR				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Kevin Wilson	LB				y	12.0
Chris Mangrum	OPR				y	12.0
Enrique Rodriguez	LB				y	12.0
Carlos Garnica	QC				y	12.0
Bruce West	OPR				y	12.0
					n	
TOTAL RECON HOURS						144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC080	12	Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR048	12	Owned	
TA 30	DPT008		Owned	
TA 30	DPT070		Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	12	Owned	
310 Backhoe	BKH018	4	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
64" Compactor	VLP		Rental	
2500 gal water truck	WTK012	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 2 slag trucks and 1 cement truck arrived. 7:30 Prep for slag trucks. Pumping water. 7:56 Begin offloading slag trucks. 8:21 Begin offloading cement truck. Pushing AHA soil away from powerlines so we can load out soil. 10:50 Mixing grids. 12:00 Lunch. 2:05 Finished unloading cement. 4:00 Finished unloading slag. Laying out grids, taking pocket pens, and samples. 6:55 Finished mixing. 7:30 Left site. 10 loads of slag = 266.16 tons. 3 loads of cement = 75.68 tons. 9 grids mixed F-2, F-1, F0, F1, F2, F5, F3A, I10, I11, and I12.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 4/19/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Cloudy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LB				y	12.0
Steve Holman	OPR				y	12.0
Kenny Adams	OPR				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Kevin Wilson	LB				y	12.0
Chris Mangrum	OPR				y	12.0
Enrique Rodriguez	LB				y	12.0
Carlos Garnica	QC				y	12.0
Bruce West	OPR				y	12.0
					n	
TOTAL RECON HOURS						144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC080	12	Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR048	3	Owned	
TA 30	DPT008	1	Owned	
TA 30	DPT070	1	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	12	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
64" Compactor	VLP		Rental	
2500 gal water truck	WTK012	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water. Preping for slag trucks. 7:20 First cement truck arrived. 8:05 First slag truck arrived. 8:10 Begin unloading cement. The cement unloaded good just placing the hose in the pit and covering the pit with a tarp. Begin mixing. 12:00 Lunch. 12:30 Begin repairing cleanouts on MPA.. Screwing out cap and putting new teflon on. Then putting hose clamp around the cap. 2:30 Finished unloading cement. 5:08 Finished unloading slag. 5:30 Taking samples, pocket pens and laying out grids. 6:00 Finished mixing. 7:00 Fueling and greasing. 7:30 Left site. 8 loads of slag = 211.5 tons. 3 loads of cement = 74.33. 9 grids mixed G-2, G-1, G0, G1, G2, F2, J11, and J12.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 4/20/12
DAY OF WEEK: Friday
WEATHER/TEMP: Windy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LB				y	12.5
Steve Holman	OPR				y	12.5
Kenny Adams	OPR				y	12.5
Justino Gonzalez	LB				y	12.5
Nicolas Gonzalez	LB				y	12.5
Kevin Wilson	LB				y	12.5
Chris Mangrum	OPR				y	12.5
Enrique Rodriguez	LB				y	12.5
Carlos Garnica	QC				y	12.5
Bruce West	OPR				y	12.5
TOTAL RECON HOURS						150.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
350 Excavator	EXC080	12.5	Owned	
350 Excavator	EXC051	12.5	Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT008	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	12.5	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04		Owned	
64" Compactor	VLP		Rental	
2500 gal water truck	WTK012	12.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	12.5	Owned	
300 Excavator	EXC043	4	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag and cement trucks. Cover cement pit. Put out water pumps. 7:25 Cement trucks arrived. 8:08 Slag trucks arrived. 8:12 Begin pupmping off cement. 8:38 Begin pumping off slag. 9:45 Begin mixing. 10:00 Received EXC043 and sent out DPT073. 10:30 Backfilling cleanouts along MPA. 12:00 Lunch. 12:30 Excavating out 6" underdrain line on MPA. Continued unloading slag trucks and cement trucks and mixing. 2:40 Finished unloading cement. 4:09 Finshed unloading slag. 5:30 Hauling asphalt soil and making grids. 8:00 Finished mixing and left site. 239.48 tons of slag = 9 loads. 73.59 tons of cement = 3 loads. 16 loads of asphalt soil @14 cy per load = 244 cy. Grids mixed: G3, G4, G5, G6, G6A, H-2, H-1, H6, H7.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 4/25/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPIII				y	12.0
Kenny Albins	OPIII				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangum	OPIII				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garcia	QC				y	12.0
Bruce West	OPIII				y	12.0
					n	

TOTAL RECON HOURS: 144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					7.0

TOTAL HOURS: 7.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Hub	12	Personal	
350 Excavator	EXC065	12	Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR046	2	Owned	
TA 30	DPT056	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC024	12	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Mini Excavator	RSC		Rental	
2000 gal water truck	WTK010	8	Owned	
40' Office	Modmac	8	Rental	
20' Conex	Modmac	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	6	Rental	
JD Gator	ATV014	8	Owned	
350 Excavator	EXC040	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag and cement trucks. Put out water pumps to pump down stage 1. 7:27 Cement truck arrived. 8:12 Slag trucks arrived. 8:24 Begin pumping off cement. 8:27 Begin pumping off slag. 9:30 Weekly meeting. 12:00 Lunch. 12:30 Hauling soil to make a new cement pit. 12:45 Finished unloading slag. 12:50 Begin mixing. 1:50 Finished unloading cement. Taking soil samples. Hauling ashpalt pond soil to west pond. 6:30 Laying out grids for tomorrow and taking pocket pens. 6:00 Fueling and greasing. 7:30 Finished mixing. Left site. 15 loads AHA soil @14 = 210cy. 18 loads of asphalt pond material @14 = 224cy. 9 loads of slag = 238.95 tons. 3 loads of cement = 76.12 tons. Grids mixed: H6C, H1, H6A, H6B, H2, H5, H6, H3, H4.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4861

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 4/24/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LR				y	11.5
Steve Hickman	OPIII				y	11.5
Kenny Albins	OPIII				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Kevin Wilson	LR				y	8.0
Chris Mangum	OPIII				y	11.5
Enrique Rodriguez	LR				y	11.5
Carlos Garcia	QC				y	11.5
Bruce West	OPIII				y	11.5
					n	

TOTAL RECON HOURS: 134.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					11.5

TOTAL HOURS: 11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Hub	11.5	Personal	
350 Excavator	EXC065	8	Owned	
350 Excavator	EXC051	11.5	Owned	
D61 Dozer	DZR046	2	Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC024	11.5	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Mini Excavator	RSC		Rental	
2000 gal water truck	WTK010	12	Owned	
40' Office	Modmac	8	Rental	
20' Conex	Modmac	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
350 Excavator	EXC040	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Preparing for slag trucks. Putting out water pumps. Building new cells for cement pits. Watering roads. Pumping down stage 1. 7:39 Cement arrived. 7:50 Slag arrived. 7:54 Begin unloading slag. 8:58 Begin mixing. VLP out to work on EXC065 and service DPT070. 11:14 Finished unloading slag; AES on site to view wetlands status. 12:00 Lunch. 12:30 Mixing and pumping water. 2:25 Finished unloading cement. 3:00 Begin repairs on stage 1 wetlands. 4:15 Finished mixing. Laying out and preparing grids cells for tomorrow. 7:00 Left site. 9 loads of slag = 212.01. 3 loads of cement = 75.13. Grids mixed: I2, I3, I4, I5, I6, I7, I8, K12.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4861

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 4/25/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPIII				y	12.0
Kenny Albins	OPIII				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	
Chris Mangum	OPIII				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garcia	QC				y	12.5
Bruce West	OPIII				y	12.0

TOTAL RECON HOURS: 135.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					8.0

TOTAL HOURS: 8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Hub	12	Personal	
350 Excavator	EXC065		Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR046	1	Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC024	12	Owned	
310 Backhoe	BKH016	3	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Mini Excavator	RSC	12	Rental	
2000 gal water truck	WTK010	12	Owned	
40' Office	Modmac	8	Rental	
20' Conex	Modmac	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	12	Owned	
350 Excavator	EXC040	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Preparing for slag trucks. Putting out water pumps. Watering roads. 7:30 Cement arrived. Repairs in stage 1. 7:15 Slag trucks arrived. 7:40 Begin unloading cement. 8:07 Begin unloading slag. 8:25 Begin mixing. 12:00 Lunch. 12:30 Mixing and stage 1 repairs. 12:50 Finished unloading cement. 4:55 Finished unloading slag. 6:13 Finish mixing. 7:15 Finished in stage 1. 7:30 Left site. 10 loads of slag = 262.00 tons. 3 loads of cement = 74.07. Grids mixed: J3, 4, 5, 6, 7, 8, 9, 10, K11, I8.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4861

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 4/26/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPIII				y	12.0
Kenny Albins	OPIII				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangum	OPIII				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garcia	QC				y	12.0
Bruce West	OPIII				y	12.0

TOTAL RECON HOURS: 144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Hub	12	Personal	
350 Excavator	EXC065	2	Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR046	2	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC024	12	Owned	
310 Backhoe	BKH016	4	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Mini Excavator	RSC	8	Rental	
2000 gal water truck	WTK010	12	Owned	
40' Office	Modmac	8	Rental	
20' Conex	Modmac	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	12	Owned	
350 Excavator	EXC040	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Pumping water. 7:35 Cement truck arrived. 7:45 Unloading cement. Line six in stage 1 has numerous obstructions and we are working with MMH to get it cleared up. 8:10 Slag trucks arrived. 8:12 Unloading slag. 9:50 Begin mixing. 12:00 Lunch. 1:43 Finished unloading cement. 2:00 Finished stage1 repairs. 2:30 Replaced fan belt on DPT070. 4:30 Finished unloading slag. Pocket pens and soil samples. Laying out grids. 5:30 Hauling AHA pond soil to west pond. Prepping grids for tomorrow. 7:00 Fueling. 7:30 Left site. 7 loads of AHA pond soil @ 14 cy = 98cy. 9 loads of slag = 237.11 tons. 3 loads of cement = 73.64 tons. Grids mixed K3, 4, 5, 6, 7, 8, 9, 10, 11, L11.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4861

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 4/27/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LIII				y	12.0
Steve Holman	OPIII				y	12.0
Kenny Allums	OPIII				y	12.0
Justino Gonzalez	LIII				y	12.0
Nicolas Gonzalez	LIII				y	12.0
Kevin Wilson	LIII				y	12.0
Chris Mangum	OPIII				y	12.0
Enrique Rodriguez	LIII				y	12.0
Carlos Garnica	QC				y	12.0
Bruce West	OPIII				y	12.0
				TOTAL RECON HOURS:		144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
385 Excavator	EXC285	12	Owned	
385 Excavator	EXC251	12	Owned	
D61 Dozer	D2R046	2	Owned	
TA 30	OPT009	2	Owned	
TA 30	OPT010	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	9	Owned	
385 Excavator	EXC034	12	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	
Dust Collector	DC04	8	Owned	
345 Excavator	RSC		Rental	
2000 gal water truck	WTK010	12	Owned	
40' Office	Mobmin	8	Rental	
20' Conex	Mobmin	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	12	Rental	
3" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:23 Slag trucks arrived. 7:30 Prep for slag trucks. 8:17 Unloading slag. 9:00 Lightning shutdown. 9:45 Back to work. 10:15 Begin mixing. Cleaning out spl. 12:00 Lunch. 12:55 Finished unloading slag. Cleaning office. 4:30 Samples and pocket pens. 5:00 Laying out grids for Monday. 5:30 Hauling AHA pond soil to west pond. 7:00 Fueling and greasing. 7:30 Left site. 15 loads of AHA pond soil = 225cy. 8 loads of slag = 234.85 tons. Grids mixed L1, 2, 3, 4, 5, 6, 7, 8, and 9.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4891

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/1/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Windy 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Oscar Gonzalez	LIII				y	11.0
Steve Holman	OPIII				y	11.0
Kenny Allums	OPIII				y	11.0
Justino Gonzalez	LIII				y	11.0
Nicolas Gonzalez	LIII				y	11.0
Kevin Wilson	LIII				y	11.0
Chris Mangum	OPIII				y	11.0
Enrique Rodriguez	LIII				y	11.0
Carlos Garnica	QC				y	11.0
Bruce West	OPIII				y	11.0
				TOTAL RECON HOURS:		132.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
385 Excavator	EXC285	4	Owned	
385 Excavator	EXC251	11	Owned	
D61 Dozer	D2R046	9	Owned	
TA 30	OPT009	1	Owned	
TA 30	OPT010	1	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
385 Excavator	EXC034	11	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	1	Owned	
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010		Owned	
40' Office	Mobmin	8	Rental	
20' Conex	Mobmin	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	11	Rental	
3" Water Pump	Foley	11	Rental	
3" Water Pump	Foley	11	Rental	
JD Gator	ATV014	11	Owned	
385 Excavator	EXC043	11	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water and pushing off mud too get trucks in from last night's 2-inch rain. 8:40 Cement trucks arrived. 8:55 Slag trucks arrived. 9:18 Begin unloading cement. 10:06 Unloading slag. 11:26 Begin mixing. 12:00 Lunch. 1:25 Finished unloading slag. 4:10 Finished unloading cement. 8:00 Finished mixing. Prep cells for tomorrow. Fueling and greasing. 9:30 Left site. 4 loads of AHA pond soil = 80cy. 8 loads of slag = 210.99 tons. 3 loads of cement = 74.43 tons. Grids mixed: M7, N2, 3, 5, 6, 8, 9, 11.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

2" of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4891

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/2/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 82

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	5.0
Roger Huth	SSO				y	5.0
Oscar Gonzalez	LIII				y	5.0
Steve Holman	OPIII				y	5.0
Kenny Allums	OPIII				y	5.0
Justino Gonzalez	LIII				y	5.0
Nicolas Gonzalez	LIII				y	5.0
Kevin Wilson	LIII				y	5.0
Chris Mangum	OPIII				y	
Enrique Rodriguez	LIII				y	
Carlos Garnica	QC				y	5.0
Bruce West	OPIII				y	5.0
				TOTAL RECON HOURS:		50.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	5	Personal	
Site Truck	Huth	5	Personal	
385 Excavator	EXC285	2	Owned	
385 Excavator	EXC251	5	Owned	
D61 Dozer	D2R046		Owned	
TA 30	OPT009	2	Owned	
TA 30	OPT010	2	Owned	
Dust Collector	DC01	1	Owned	
Dust Collector	DC03	1	Owned	
385 Excavator	EXC034	5	Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS009		Owned	
Dust Collector	DC04	1	Owned	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmin	8	Rental	
20' Conex	Mobmin	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
JD Gator	ATV014		Owned	
385 Excavator	EXC043	5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag. 7:45 Slag trucks arrived. 7:58 Unloading slag. 8:30 Begin mixing. 10:10 Finish mixing. Laying out grids for Monday. Hauling soil and prep grids for Monday. 12:00 Left site. 16 loads of AHA pond soil = 240 cy. 3 loads of slag = 80.84. Left site for rotation.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4891

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/7/12
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 68

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LIII				y	11.5
Steve Holman	OPIII				y	11.5
Kenny Allums	OPIII				y	11.5
Justino Gonzalez	LIII				y	11.5
Nicolas Gonzalez	LIII				y	11.5
Kevin Wilson	LIII				y	11.5
Chris Mangum	OPIII				y	11.5
Enrique Rodriguez	LIII				y	11.5
Carlos Garnica	QC				y	11.5
Bruce West	OPIII				y	11.5
				TOTAL RECON HOURS:		138.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
385 Excavator	EXC285	8	Owned	
385 Excavator	EXC251	11.5	Owned	
D61 Dozer	D2R046	5	Owned	
TA 30	OPT009	5	Owned	
TA 30	OPT010	5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
385 Excavator	EXC034	11.5	Owned	
310 Backhoe	BKH016	3	Owned	
Grease Skid	GRS009	1	Owned	
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	3	Owned	
40' Office	Mobmin	8	Rental	
20' Conex	Mobmin	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:16 Slag trucks arrived. 7:30 Prep for slag. 8:00 Begin unloading slag. Pumping water from NE of decon pad. 9:30 Weekly meeting. 9:50 Begin mixing. 11:13 Finished unloading slag. 12:00 Lunch. 12:45 Cement truck arrived. 1:15 Begin blowing off cement. Hauling AHA soil to west pond. 4:00 Finished mixing. Laying out grids and taking samples. 5:00 Prep grids for next day. 6:15 Finished blowing off cement. 7:00 Left site. 41 loads of AHA pond soil = 615cy. 8 loads of slag = 213.19 tons. 3 loads of cement = 77.53 tons.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4891

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0029
DATE: 5/8/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 78

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LR				y	10.5
Steve Hickman	OPR				y	10.5
Kenny Alkire	OPR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garnica	QC				y	10.5
Bruce West	OPR				y	10.5
				TOTAL RECON HOURS:		125.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
385 Excavator	EXC085	8	Owned	
385 Excavator	EXC031	10.5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	10.5	Owned	
315 Backhoe	BKH015	10.5	Owned	
Grease Skid	GRS003	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	10.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

6:40 Cement arrived. 7:00 Safety meeting. 7:30 Prep for slag trucks. Slag trucks arrived. 7:36 Unloading cement. Unloading slag. 8:25 Begin mixing. 10:44 Finished unloading slag. Cleaning apt. 12:00 Lunch. 2:04 Finished unloading cement. 3:45 Finished mixing. Laying out grids and collecting samples. 4:30 Prep grids for tomorrow. 6:00 left site. 25 loads of AHA pond soil = 375cy. 9 loads of slag = 238.91 tons. 3 loads of cement = 76.15 tons. 9 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0029
DATE: 5/9/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 77

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LR				y	10.5
Steve Hickman	OPR				y	10.5
Kenny Alkire	OPR				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Kevin Wilson	LR				y	10.5
Chris Mangrum	OPR				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garnica	QC				y	10.5
Bruce West	OPR				y	10.5
				TOTAL RECON HOURS:		126.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.5
				TOTAL HOURS		10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
385 Excavator	EXC085	10.5	Owned	
385 Excavator	EXC031	10.5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT056	5	Owned	
TA 30	DPT070	5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	10.5	Owned	
315 Backhoe	BKH015	2	Owned	
Grease Skid	GRS003	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	10.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Cement trucks arrived. 7:43 Unloading cement. 7:52 Slag trucks arrived. 8:01 Unloading slag. 8:05 Begin mixing. 10:52 Finished unloading slag. 11:00 Lunch. Hauling AHA pond soil. 1:45 Finished unloading cement. 3:00 Finished mixing. Laying out grids and collecting samples. 4:00 Prep grids for tomorrow. 6:00 Left site. 43 loads of AHA pond soil = 645cy. 9 loads of slag = 240.91 tons. 3 loads of cement = 75.44 tons. 8 grids.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0029
DATE: 5/10/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 77

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	11.0
Roger Huth	SSO				y	11.0
Oscar Gonzalez	LR				y	11.0
Steve Hickman	OPR				y	11.0
Kenny Alkire	OPR				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Gonzalez	LR				y	11.0
Kevin Wilson	LR				y	11.0
Chris Mangrum	OPR				y	11.0
Enrique Rodriguez	LR				y	11.0
Carlos Garnica	QC				y	11.0
Bruce West	OPR				y	11.0
				TOTAL RECON HOURS:		132.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					11.0
				TOTAL HOURS		11.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11	Personal	
Site Truck	Huth	11	Personal	
385 Excavator	EXC085	10	Owned	
385 Excavator	EXC031	11	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT056	5	Owned	
TA 30	DPT070	7	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	11	Owned	
315 Backhoe	BKH015	2	Owned	
Grease Skid	GRS003	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTR010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	11	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag. Cement arrived. 7:40 Slag arrived. 7:40 Unloading cement. 7:49 Unloading slag. 10:05 Mixing. 10:41 Finished unloading slag. Collecting pocket pens. 12:00 Lunch. 12:30 Hauling metal debris and concrete from south end of the west pond. Laying out grids and taking samples. 3:00 Began dewatering the SE pond; opened HCS 3 valves. 4:00 Finished mixing. Preparing grids. 6:30 Left site. 45 loads of AHA pond soil = 675cy. 1 load of scrap metal. 1 load of concrete. 9 loads of slag = 235.73 tons. 3 loads of cement = 74.58. 8 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0029
DATE: 5/11/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 77

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	9.5
Roger Huth	SSO				y	9.5
Oscar Gonzalez	LR				y	9.5
Steve Hickman	OPR				y	9.5
Kenny Alkire	OPR				y	9.5
Justino Gonzalez	LR				y	9.5
Nicolas Gonzalez	LR				y	9.5
Kevin Wilson	LR				y	9.5
Chris Mangrum	OPR				y	9.5
Enrique Rodriguez	LR				y	9.5
Carlos Garnica	QC				y	9.5
Bruce West	OPR				y	9.5
				TOTAL RECON HOURS:		114.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9.5	Personal	
Site Truck	Huth	9.5	Personal	
385 Excavator	EXC085	5	Owned	
300 Excavator	EXC031	9.5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT056	3	Owned	
TA 30	DPT070	3	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
350 Excavator	EXC034	9.5	Owned	
315 Backhoe	BKH015	1	Owned	
Grease Skid	GRS003	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTR010	9.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	9.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:15 Slag arrived. 7:30 Prep for slag. 7:50 Unloading slag. 8:57 Mixing. 10:00 Problem with HCS #1 not driving into stage2. Pumped water out and getting little flow back. Ran fiberglass rods through it line. Put the sample plug on it and it wouldn't go through. 10:42 Finished unloading slag. 12:00 Lunch. 12:30 Doug picked up sewer snake and it would not go though either. Will have to excavate it and see what the problem is. 1:30 Started hauling AHA pond soil and there were strong odors. Stopped work and will let the area air out until Monday. 3:00 Finished mixing. Layout grids, soil samples, pocket pens. 3:30 Prep grids for Monday. 4:30 Lightning shut down. 5:00 Left sit afor the day. 8 loads of slag = 202.06 tons. Put 18 loads of soil into grids.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3539
DATE: 5/14/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LR				y	11.5
Steve Hickman	OPR				y	11.5
Kenny Akins	OPR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Kevin Wilson	LR				y	11.5
Chris Mangrum	OPR				y	11.5
Enrique Rodriguez	LR				y	11.5
Carlos Garnica	QC				y	11.5
Bruce West	OPR				y	11.5
					TOTAL RECON HOURS	138.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
350 Excavator	EXC065	8	Owned	
350 Excavator	EXC051	11.5	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	DPT058	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
360 Excavator	EXC034	11.5	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	11.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
360 Excavator	EXC043	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag. 7:37 Cement trucks arrived. 7:45 Begin unloading cement. 7:51 Slag trucks arrived. 8:09 Begin unloading slag. 10:18 Begin mixing. 10:38 Finished unloading slag. 12:00 Lunch. 12:36 Finished unloading cement. Hauling soil from AHA pond to west pond. 3:35 Finished mixing. Collect soil samples. Take pocket pens. Laying out grids for tomorrow. 4:30 Prep grids for tomorrow. 7:00 Left site. 46 loads of AHA pond soil = 690cy. 8 loads of slag = 214.39 tons. 3 loads of cement = 75.5 tons. 8 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3539
DATE: 5/15/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LR				y	11.5
Steve Hickman	OPR				y	11.5
Kenny Akins	OPR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Kevin Wilson	LR				y	11.5
Chris Mangrum	OPR				y	11.5
Enrique Rodriguez	LR				y	11.5
Carlos Garnica	QC				y	11.5
Bruce West	OPR				y	11.5
					TOTAL RECON HOURS	138.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
350 Excavator	EXC065	10	Owned	
350 Excavator	EXC051	11.5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT058	5	Owned	
TA 30	DPT070	5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
360 Excavator	EXC034	11.5	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	11.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
360 Excavator	EXC043	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag. 8:02 Cement trucks arrived. 7:58 Begin unloading cement. 8:10 Slag trucks arrived. 8:20 Begin unloading slag. 8:15 Begin mixing. 12:00 Lunch. 12:30 Finished unloading cement. Hauling soil from AHA pond to west pond. Collect soil samples. 3:30 Laying out grids. 4:30 Prep grids for tomorrow. 5:13 Finished unloading slag. 6:17 Finished mixing. 7:00 Left site. 38 loads of AHA pond soil = 565cy. 10 loads of slag = 266.62 tons. 3 loads of cement = 73.71 tons. 10 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3539
DATE: 5/16/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Kenny Akins	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangrum	OPR				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garnica	QC				y	12.0
Bruce West	OPR				y	12.0
					TOTAL RECON HOURS	144.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC065	12	Owned	
350 Excavator	EXC051	12	Owned	
D61 Dozer	DZR046	3	Owned	
TA 30	DPT058	5	Owned	
TA 30	DPT070	1	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
360 Excavator	EXC034	12	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	12	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
360 Excavator	EXC043	6	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:37 Cement and slag trucks arrived. 8:00 Begin unloading cement and slag. 8:37 Begin mixing. Pumping down stag 1 and 2 for repairs. 11:15 Hauling soil for new cement pits. 12:00 Lunch. 12:15 Finished unloading cement. 4:24 Finished blowing off slag. Collect soil samples. 5:12 Finished mixing. Laying out grids for tomorrow. Prep cells for tomorrow. 7:30 Left site. 14 loads of AHA soil = 210cy. 10 loads of slag = 267.49 tons. 3 loads of cement = 74.82. 10 grids mixed. Victor Phillips out to work on A/C on EXC034 and 043.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3539
DATE: 5/17/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LR				y	12.5
Steve Hickman	OPR				y	12.5
Kenny Akins	OPR				y	12.5
Justino Gonzalez	LR				y	12.5
Nicolas Gonzalez	LR				y	12.5
Kevin Wilson	LR				y	12.5
Chris Mangrum	OPR				y	12.5
Enrique Rodriguez	LR				y	12.5
Carlos Garnica	QC				y	12.5
Bruce West	OPR				y	12.5
					TOTAL RECON HOURS	150.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
350 Excavator	EXC065	12.5	Owned	
350 Excavator	EXC051	12.5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT058	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
360 Excavator	EXC034	12.5	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	12.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
360 Excavator	EXC043	12.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety Meeting. 7:26 Cement and slag arrived. 7:30 Prep for slag trucks. 7:45 Begin unloading cement. 7:53 Begin unloading slag. 8:37 Begin mixing. Pumping down stage 1 and 2 for repairs. Preparing new cement pits. Pocket pens and samples. 12:00 Lunch. 2:45 Finished unloading cement. 5:23 Finished unloading slag. Laying out grids. 7:00 Finished mixing. Prep grids for tomorrow. 8:00 Left site. 10 loads of slag = 269.14 tons. 3 loads of cement = 73.97 tons. 10 grids mixed. Victor Phillips out to work on the A/C in EXC034 and 043.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/18/12
DAY OF WEEK: Friday
WEATHER/TEMP: Windy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LH				y	12.0
Steve Hickman	OPR				y	12.0
Kenny Alums	OPR				y	8.0
Justino Gonzalez	LH				y	12.0
Nicolas Gonzalez	LH				y	12.0
Kevin Wilson	LH				y	12.0
Chris Mangrum	OPR				y	12.0
Enrique Rodriguez	LH				y	12.0
Carlos Garnica	QC				y	12.0
Bruce West	OPR				y	12.0
				TOTAL RECON HOURS:		140.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
380 Excavator	EXC085	8	Owned	
385 Excavator	EXC051	12	Owned	
D61 Dozer	DZR048	3	Owned	
TA 30	DPT050	3	Owned	
TA 30	DPT070	3	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
380 Excavator	EXC034	12	Owned	
310 Backhoe	BKH018	5	Owned	
Grease Skid	GRS005	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
3000 gal water truck	WTR010	12	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:10 Slag trucks arrived. 7:30 Prep for slag trucks. Repair pipe on south side of HCS#1. 7:52 Begin unloading slag. 8:43 Begin mixing. 8:24 Cement arrived. 9:29 Begin unloading cement. 12:00 Finished repair in line. Lunch. 3:30 Kenny left for the day. Laying out grids, collecting soil samples, and taking pocket pens. 5:00 Finished unloading slag. 5:40 Finished Mixing. Prep grids for Monday. 7:30 Left site. 10 loads of slag = 268.75 tons. 3 loads of cement = 79.30 tons. 10 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/21/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LH				y	12.5
Steve Hickman	OPR				y	12.5
Justino Gonzalez	LH				y	12.5
Nicolas Gonzalez	LH				y	12.5
Kevin Wilson	LH				y	12.5
Chris Mangrum	OPR				y	12.5
Enrique Rodriguez	LH				y	12.5
Carlos Garnica	QC				y	12.5
Bruce West	OPR				y	10.5
				TOTAL RECON HOURS:		135.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					7.5
				TOTAL HOURS		7.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
380 Excavator	EXC085	12.5	Owned	
385 Excavator	EXC051	8	Owned	
D61 Dozer	DZR048	8	Owned	
TA 30	DPT050	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
380 Excavator	EXC034	12.5	Owned	
310 Backhoe	BKH019	2	Owned	
Grease Skid	GRS005	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
3000 gal water truck	WTR010	12.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	12.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:51 Slag trucks arrived. 8:06 Begin unloading slag. 9:30 Weekly meeting. 10:30 John and Terry w/ Holcium came out to see the site and discuss trucking issues. 7 in the morning and 2 in the afternoon. 11:27 Begin mixing. 12:00 Lunch. 12:30 Lowered cement pit walls. 1:30 Hauling soil from AHA pond. Laying out grids. 2:30 Cement arrived. 2:36 Unloading cement. 3:50 Finished unloading cement. 5:00 Finished unloading slag. Collect soil samples and pocket pens. 8:20 Finished mixing. Prep cells for tomorrow. 8:00 Left site. 9 loads of slag = 240.30 tons. 1 loads of cement = 23.54 tons. 9 grids mixed. 25 loads of AHA soil = 375cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/22/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LH				y	11.5
Steve Hickman	OPR				y	11.5
Justino Gonzalez	LH				y	11.5
Nicolas Gonzalez	LH				y	11.5
Kevin Wilson	LH				y	11.5
Chris Mangrum	OPR				y	11.5
Enrique Rodriguez	LH				y	11.5
Carlos Garnica	QC				y	11.5
Bruce West	OPR				y	11.5
				TOTAL RECON HOURS:		126.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					11.5
				TOTAL HOURS		11.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
380 Excavator	EXC085	11.5	Owned	
385 Excavator	EXC051	8	Owned	
D61 Dozer	DZR048	5	Owned	
TA 30	DPT050	3	Owned	
TA 30	DPT070	3	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
380 Excavator	EXC034	11.5	Owned	
310 Backhoe	BKH019	2	Owned	
Grease Skid	GRS005	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
3000 gal water truck	WTR010	11.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:24 Cement arrived. 7:30 Prep for slag trucks. 7:34 Unloading cement. 7:41 Slag arrived. 8:00 Unloading slag. 8:00 Unloading slag. 9:21 Begin mixing. Pumping down west pond to api. 12:00 Lunch. 12:34 Finished unloading cement. Hauling aha pond soil to west pond. Laying out grids. 5:19 Finished unloading slag. 6:33 Finished mixing. Prep grids for tomorrow. 7:00 Left site. 9 loads of slag = 240.06 tons. 3 loads of cement = 74.91 tons. 9 grids mixed. 19 loads of aha soils = 285cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 5/23/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Windy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LH				y	10.0
Steve Hickman	OPR				y	10.0
Justino Gonzalez	LH				y	10.0
Nicolas Gonzalez	LH				y	10.0
Kevin Wilson	LH				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LH				y	10.0
Carlos Garnica	QC				y	10.0
Bruce West	OPR				y	10.0
				TOTAL RECON HOURS:		110.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					8.0
				TOTAL HOURS		8.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
380 Excavator	EXC085	10	Owned	
385 Excavator	EXC051	10	Owned	
D61 Dozer	DZR048	5	Owned	
TA 30	DPT050	5	Owned	
TA 30	DPT070	5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
380 Excavator	EXC034	10	Owned	
310 Backhoe	BKH019	2	Owned	
Grease Skid	GRS005	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
3000 gal water truck	WTR010	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:36 Slag and cement trucks arrived. 8:03 Begin unloading slag. 8:10 Begin unloading cement. 8:33 Begin mixing. 11:30 Finished mixing. Laying out grids for tomorrow. 12:00 Lunch. 12:30 Begin hauling AHA pond soil to west pond. Prep grids for tomorrow. 3:30 Blowing out radiators and air filters on some of the excavators. 5:30 Left site. 4 loads of slag = 106.96 tons. 3 loads of cement = 74.34 tons. 4 grids mixed. 38 loads of AHA pond soil = 570 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 5/24/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Windy 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LN				y	10.0
Steve Holtman	OPII				y	10.0
Justino Gonzalez	LII				y	10.0
Nicolas Gonzalez	LII				y	10.0
Kevin Wilson	LN				y	10.0
Chris Mangrum	OPII				y	10.0
Enrique Rodriguez	LII				y	10.0
Carlos Garnica	QC				y	10.0
Bruce Ward	OPII				y	10.0
TOTAL RECON HOURS:						110.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
385 Excavator	EXC065	10	Owned	
350 Excavator	EXC061	10	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	10	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	10	Owned	
40' Office	Mobile Mini	8	Rental	
20' Conex	Mobile Mini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag. 7:36 Slag trucks arrived. 7:51 Begin unloading slag. 8:10 Begin mixing. 10:00 Finished unloading slag. Changed filter bags on one of the dust cans. 11:30 VLP arrived to work on EXC043. 12:00 Lunch. 12:30 Changed filter bags in the other dust can. 2:01 Finished mixing. Laying out grids for tomorrow. 3:30 Prep grids. Hauling soils from AHA pond. 5:30 Left site. 5 loads of slag = 133.48 tons. 15 loads of AHA pond soil = 225.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 5/25/12
DAY OF WEEK: Friday
WEATHER/TEMP: Windy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LII				y	12.5
Steve Holtman	OPII				y	12.5
Justino Gonzalez	LII				y	12.5
Nicolas Gonzalez	LII				y	8.5
Kevin Wilson	LII				y	12.5
Chris Mangrum	OPII				y	12.5
Enrique Rodriguez	LII				y	12.5
Carlos Garnica	QC				y	12.5
Bruce Ward	OPII				y	12.5
TOTAL RECON HOURS:						133.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
385 Excavator	EXC065	12.5	Owned	
350 Excavator	EXC061	12.5	Owned	
D61 Dozer	DZR046	4	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
350 Excavator	EXC034	5	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	12.5	Owned	
40' Office	Mobile Mini	8	Rental	
20' Conex	Mobile Mini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
385 Excavator	EXC043	7	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:15 Slag trucks arrived. 7:30 Prep for slag trucks. Cement trucks arrived. VLP arrived to continue working on excavators. 8:00 Begin unloading cement. 8:09 Begin unloading slag. 8:23 Begin mixing. 12:00 Lunch. 1:00 Finished unloading cement. 2:40 Finished unloading slag. 3:00 EXC034 A/C started blowing hot air and had to work on it again. 6:15 Finished mixing. Laying out grids for Tuesday. 6:30 VLP left site. Prep grids for Tuesday. 8:00 Left site. 9 loads of slag 240.51 tons. 3 loads of cement 73.71 tons. 8 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 5/29/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.5
Roger Huth	SSO				y	13.5
Oscar Gonzalez	LII				y	13.5
Steve Holtman	OPII				y	13.5
Bruce Ward	OPII				y	13.5
Justino Gonzalez	LII				y	13.5
Nicolas Gonzalez	LII				y	8.5
Kevin Wilson	LII				y	13.5
Chris Mangrum	OPII				y	13.5
Enrique Rodriguez	LII				y	13.5
Carlos Garnica	QC				y	13.5
TOTAL RECON HOURS:						143.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	13.5	Personal	
Site Truck	Huth	13.5	Personal	
385 Excavator	EXC065	13.5	Owned	
385 Excavator	EXC061	8	Owned	
D61 Dozer	DZR046	4	Owned	
TA 30	DPT056	3	Owned	
TA 30	DPT070	3	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
385 Excavator	EXC034	7	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	13.5	Owned	
40' Office	Mobile Mini	8	Rental	
20' Conex	Mobile Mini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
360 Excavator	EXC043	13.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 8:00 Slag arrived. 8:10 Begin unloading slag. 8:30 Cement arrived. 10:27 Begin unloading cement. 12:00 Lunch. 12:30 Begin mixing. 1:30 EXC034 A/C broke and over heating. 2:00 Hauling AHA pond soil to te west pond. 3:00 Finished unloading cement. 5:30 Finished unloading slag. 6:30 Laying out grids. 7:30 Finished mixing. Prep grids for tomorrow. 7:00 Left site. 11 loads of slag = 294.18 tons. 3 loads of cement = 72.96 tons. 11 grids mixed. 12 loads of AHA pond soil = 180cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 5/30/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LII				y	10.5
Steve Holtman	OPII				y	10.5
Bruce Ward	OPII				y	10.5
Justino Gonzalez	LII				y	10.5
Nicolas Gonzalez	LII				y	10.5
Kevin Wilson	LII				y	9.5
Chris Mangrum	OPII				y	10.5
Enrique Rodriguez	LII				y	10.5
Carlos Garnica	QC				y	10.5
TOTAL RECON HOURS:						114.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
360 Excavator	EXC065	10.5	Owned	
360 Excavator	EXC061	10.5	Owned	
D61 Dozer	DZR046	4	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
385 Excavator	EXC034	2	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	10.5	Owned	
40' Office	Mobile Mini	8	Rental	
20' Conex	Mobile Mini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
360 Excavator	EXC043	10.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:30 Cement trucks arrived. 7:46 Slag trucks arrived. 8:00 Begin unloading slag. 8:40 Begin unloading cement. Pumping down stage 3. 10:50 Begin mixing. 12:00 Lunch. 12:10 Finished unloading cement. Laying out grids, prep grids for tomorrow. 4:30 Finished unloading slag. 5:45 Finished mixing. Lightning shut down and left site at 6:00. We did not get the grids all prepared for tomorrow due to the lightning. 11 loads of slag = 295.88 tons. 3 loads of cement = 76.95 tons. 11 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 5/31/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Windy 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Roger Huth	SSO				y	13.0
Oscar Gonzalez	LR				y	13.0
Steve Hickman	OPII				y	13.0
Bruce Ward	OPII				y	13.0
Justino Gonzalez	LR				y	13.0
Nicolas Gonzalez	LR				y	13.0
Kevin Wilson	LR				y	13.0
Chris Mangrum	OPII				y	13.0
Enrique Rodriguez	LR				y	13.0
Carlos Garcia	QC				y	13.0

TOTAL RECON HOURS: 143.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	13	Personal	
Site Truck	Huth	13	Personal	
980 Excavator	EXC065	13	Owned	
980 Excavator	EXC051		Owned	
D6T Dozer	DZR046	8	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	3	Owned	
Dust Collector	DC07	8	Owned	
Dust Collector	DC03	8	Owned	
980 Excavator	EXC024	13	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	2	Owned	
40' Office	Mobmin	8	Rental	
20' Cabin	Mobmin	8	Rental	
20' Cabin	CCM054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
980 Excavator	EXC042	13	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Setting up pumps. Pumping water. Drying areas with dozer. 10:30 Begin unloading cement. 10:45 Prep grids for slag. 11:44 Begin unloading slag. 2:05 Finished unloading slag. Hauling cement into grids. 2:30 Begin mixing. 4:10 Finished unloading cement. 8:00 Finished mixing. Layout and prep grids for tomorrow. 8:00 Left site. 8 loads of slag 215.07 tons. 3 loads of cement 75.19 tons. 8 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1.5 inches of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 6/1/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 52

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Roger Huth	SSO				y	8.0
Oscar Gonzalez	LR				y	8.0
Steve Hickman	OPII				y	8.0
Bruce Ward	OPII				y	8.0
Justino Gonzalez	LR				y	8.0
Nicolas Gonzalez	LR				y	8.0
Kevin Wilson	LR				y	8.0
Chris Mangrum	OPII				y	8.0
Enrique Rodriguez	LR				y	8.0
Carlos Garcia	QC				y	8.0

TOTAL RECON HOURS: 96.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	8	Personal	
980 Excavator	EXC065	8	Owned	
980 Excavator	EXC051	8	Owned	
D6T Dozer	DZR046		Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	3	Owned	
Dust Collector	DC03	3	Owned	
980 Excavator	EXC024	8	Owned	
310 Backhoe	BKH018		Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	3	Owned	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmin	8	Rental	
20' Cabin	Mobmin	8	Rental	
20' Cabin	CCM054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
980 Excavator	EXC042	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Slag trucks arrived. 7:53 Begin unloading slag. 8:37 Begin mixing. 9:50 Finished unloading slag. 10:45 Layout grids for Wednesday. 11:20 Haul soil for grids and prep grids. 12:15 Finished mixing. 1:00 Left site. 8 loads of slag = 181.04 tons. 8 grids mixed. Oscar drove to Dallas, TX. Justino drove to Dallas, TX. Steve drove to Hemphill, TX. Bruce drove to Port Arthur, TX. Enrique drove to Pharr, TX. Chris drove to Ashland City, TN. Jon and Nicolas flew home.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 6/6/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LR				y	11.5
Steve Hickman	OPII				y	11.5
Bruce Ward	OPII				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Kevin Wilson	LR				y	11.5
Chris Mangrum	OPII				y	11.5
Enrique Rodriguez	LR				y	11.5
Carlos Garcia	QC				y	11.5

TOTAL RECON HOURS: 126.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
980 Excavator	EXC065	11.5	Owned	
980 Excavator	EXC051	10.5	Owned	
D6T Dozer	DZR046	8	Owned	
TA 30	DPT056	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC04	8	Owned	
Dust Collector	DC03	8	Owned	
980 Excavator	EXC024	11.5	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	11.5	Owned	
40' Office	Mobmin	8	Rental	
20' Cabin	Mobmin	8	Rental	
20' Cabin	CCM054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
980 Excavator	EXC042	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:20 Cement trucks arrived. 7:30 Prep for slag trucks. 7:56 Slag trucks arrived. 8:00 Begin unloading cement. Pumping water from stage 3. 8:06 Begin unloading slag. 9:11 Begin mixing. 12:00 Lunch. 3:00 Finished unloading cement. Laying out grids. 4:45 Finished unloading slag. Prep grids for tomorrow. Hauling soil from AHA pond. 89% of the water pumped out of stage 3. 6:45 Finished mixing. 7:00 Left site. 9 loads of slag = 240.94 tons. 3 loads of cement = 75.92 tons. 9 grids mixed. 16 loads of AHA pond soil = 240 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-5529
DATE: 6/7/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LR				y	11.5
Steve Hickman	OPII				y	11.5
Bruce Ward	OPII				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Kevin Wilson	LR				y	11.5
Chris Mangrum	OPII				y	11.5
Enrique Rodriguez	LR				y	11.5
Carlos Garcia	QC				y	11.5

TOTAL RECON HOURS: 126.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Huth	11.5	Personal	
980 Excavator	EXC065	11.5	Owned	
980 Excavator	EXC051	9	Owned	
D6T Dozer	DZR046	4	Owned	
TA 30	DPT056	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
980 Excavator	EXC024	8	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	11.5	Owned	
40' Office	Mobmin	8	Rental	
20' Cabin	Mobmin	8	Rental	
20' Cabin	CCM054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
980 Excavator	EXC042	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:34 Slag trucks arrived. 7:42 Cement trucks arrived. 7:49 Begin unloading slag. 8:00 Begin unloading cement. 9:33 Begin mixing. 12:00 Lunch. 2:49 Finished unloading cement. Hauling soil from AHA pond. 3:08 Finished unloading slag. 4:30 Finished mixing. Layout grids for tomorrow. 5:30 Prep grids for tomorrow. 7:00 Left site. 9 loads of slag = 241.38 tons. 3 loads of cement = 75.18 tons. 9 grids mixed. 34 loads of AHA pond soil = 510 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3028
DATE: 8/8/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 88

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LR				y	10.5
Steve Holman	OPII				y	10.5
Bruce West	OPII				y	10.5
Justino Gonzalez	LR				y	10.5
Moises Gonzalez	LR				y	10.5
Kevin Wilson	LR				y	10.5
Chris Mangrum	OPII				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garnica	QC				y	5.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Steve Berry	Recon					10.0

TOTAL RECON HOURS: 108.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	10.5	Personal	
Site Truck	Huth	10.5	Personal	
390 Excavator	EXC085	8	Owned	
390 Excavator	EXC051	8	Owned	
D61 Dozer	DZR046	5	Owned	
TA 35	DPT009	2	Owned	
TA 35	DPT010	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
390 Excavator	EXC034	8	Owned	
310 Backhoe	BKH016	3	Owned	
Grease Skid	GRS009		Owned	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Cabin	Mobmini	8	Rental	
20' Cabin	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:36 Slag trucks arrived. 7:50 Cement arrived. 7:58 Begin unloading slag. 8:10 Begin unloading cement. Steve Berry onsite for site visit/safety audit. 9:40 Begin mixing. 12:09 Finished unloading slag. 12:14 Finished unloading cement. 12:15 Lunch. 1:00 laying out grids for Monday. 1:45 Finished mixing. Prep grids for Monday. 3:30 Begin fueling, greasing, and equipment maintenance. Rented welder and air compressor. Tried to weld up the crack in the air tank but it didn't seal up. Found the other side to be cracked as well. Blowing out air filters and radiators. 6:00 Left site. 9 loads of slag = 340.38 tons. 3 loads of cement = 75.26 tons. Carlos flew home for rotation and drove back from San Antonio, TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3028
DATE: 8/11/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				x	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Holman	OPII				y	12.0
Bruce West	OPII				y	12.0
Justino Gonzalez	LR				y	12.0
Moises Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangrum	OPII				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garnica	QC				y	12.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 132.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	12	Personal	
Site Truck	Huth	12	Personal	
390 Excavator	EXC085	12	Owned	
390 Excavator	EXC051	8	Owned	
D61 Dozer	DZR046		Owned	
TA 35	DPT009	5	Owned	
TA 35	DPT010	5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
390 Excavator	EXC034	12	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	12	Owned	
40' Office	Mobmini	8	Rental	
20' Cabin	Mobmini	8	Rental	
20' Cabin	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:45 Slag trucks arrived. 8:06 Begin unloading slag. 9:30 Weekly meeting. 9:50 Cement trucks arrived. 10:00 Finished unloading slag. 10:10 Begin mixing. 10:20 Begin unloading cement. 12:00 Lunch. 1:00 Finished mixing. 1:45 Laying out and prep grids for tomorrow. 2:45 Removing pipes and debris from stage 3. Hauling soil into grids. 7:30 Left site. 7 loads of slag = 188.47 tons. 3 loads of cement = 75.23 tons 7 grids mixed. 30 loads of AHA soil = 525 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 8/12/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	10.5
Steve Holman	OPII				y	12.0
Bruce West	OPII				y	12.0
Justino Gonzalez	LR				y	12.0
Moises Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangrum	OPII				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garnica	QC				y	12.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 130.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	12	Personal	
Site Truck	Huth	12	Personal	
390 Excavator	EXC085	12	Owned	
390 Excavator	EXC051	12	Owned	
D61 Dozer	DZR046		Owned	
TA 35	DPT009	8	Owned	
TA 35	DPT010	8	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
390 Excavator	EXC034	12	Owned	
310 Backhoe	BKH016	1	Owned	
Grease Skid	GRS009	1	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	12	Owned	
40' Office	Mobmini	8	Rental	
20' Cabin	Mobmini	8	Rental	
20' Cabin	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:39 Slag trucks arrived. 7:53 Begin unloading slag. 8:34 Begin mixing. 8:45 Cement trucks arrived. 9:00 Begin unloading cement. 12:00 Lunch. 12:30 Prep grids for tomorrow. 3:30 Finished unloading cement. 4:30 Finished unloading slag. 5:30 Finished mixing. 7:30 Left site. 11 loads of slag = 293.15 tons. 4 loads of cement = 101.9 tons. 11 grids mixed. 42 loads of AHA pond soil.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 8/13/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 92

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LR				y	10.5
Steve Holman	OPII				y	10.5
Bruce West	OPII				y	10.5
Justino Gonzalez	LR				y	10.5
Moises Gonzalez	LR				y	
Kevin Wilson	LR				y	10.5
Chris Mangrum	OPII				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garnica	QC				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.5

TOTAL RECON HOURS: 108.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	10.5	Personal	
Site Truck	Huth	10.5	Personal	
390 Excavator	EXC085	10.5	Owned	
390 Excavator	EXC051	10.5	Owned	
D61 Dozer	DZR046		Owned	
TA 35	DPT009	3	Owned	
TA 35	DPT010	3	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC03	8	Owned	
390 Excavator	EXC034	10.5	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

TOTAL HOURS: 10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	10.5	Owned	
40' Office	Mobmini	8	Rental	
20' Cabin	Mobmini	8	Rental	
20' Cabin	CON004	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	10.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:29 Cement arrived. 7:30 Prep for slag trucks. 7:51 Slag trucks arrived. 8:00 Begin unloading cement. 8:08 Begin unloading slag. 8:45 Begin mixing. Pumping water from west pond. 10:30 Finished unloading cement. 12:00 Lunch. 1:45 Finished unloading slag. Laying out grids. 3:15 Finished mixing. Prep grids. 6:30 Left site. 9 loads of slag = 237.79 tons. 2 loads of cement = 51.26 tons. 9 grids mixed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/15/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 87

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Hulin	SSO				y	10.5
Cesar Gonzalez	LR				y	10.5
Steve Holeman	OPS				y	10.5
Bruce West	OPS				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Kevin Wilson	LR				y	10.5
Chris Mangrum	OPS				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garcia	QC				y	10.5

TOTAL RECON HOURS: 115.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	10.5	Personal	
Site Truck	Hulin	10.5	Personal	
390 Excavator	EXC065	10.5	Owned	
390 Excavator	EXC051	8	Owned	
D6T Dozer	DZR046	5	Owned	
TA 35	DPT050	2	Owned	
TA 35	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
390 Excavator	EXC034	10.5	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	10.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CONS054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV015	8	Owned	
390 Excavator	EXC043	10.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:48 Slag trucks arrived. 8:03 Begin unloading slag. 8:13 Cement trucks arrived. 8:30 Begin unloading cement. Pumping water from west pond. 9:30 Finished unloading cement. 10:11 Begin mixing. 10:58 Finished unloading slag. 12:00 Lunch. Pushing soil out of stage 3. 2:00 Finished mixing. Laying out grids. Prep grids. Hauling soil from AHA pond. 6:00 Left site. 10 loads of slag = 265.88. 2 loads of cement = 50.47. 10 grids mixed. 5 loads of AHA pond soil = 75 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/16/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Hulin	SSO				y	12.0
Cesar Gonzalez	LR				y	11.0
Steve Holeman	OPS				y	12.0
Bruce West	OPS				y	11.0
Justino Gonzalez	LR				y	11.0
Nicolas Gonzalez	LR				y	11.0
Kevin Wilson	LR				y	11.0
Chris Mangrum	OPS				y	11.0
Enrique Rodriguez	LR				y	11.0
Carlos Garcia	QC				y	11.0

TOTAL RECON HOURS: 134.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	12	Personal	
Site Truck	Hulin	12	Personal	
390 Excavator	EXC065	11	Owned	
390 Excavator	EXC051	9	Owned	
D6T Dozer	DZR046	5	Owned	
TA 35	DPT050	2	Owned	
TA 35	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
390 Excavator	EXC034	8	Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010		Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CONS054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	11	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water and grading areas to get ready for trucks because of 1.5" of rain over night. 7:45 Slag trucks arrived. 10:53 Begin unloading slag. 11:46 Begin mixing. 2:05 Finished unloading slag. 4:00 Finished mixing. Layout grids for Monday. haul AHA pond soil and prep grids for Monday. 5:10 Broke windshield out of EXC051. Began incident reporting. 6:30 Left site. 8 loads of slag = 240.05 tons.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1.5" of rain

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/18/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Roger Hulin	SSO				y	13.0
Cesar Gonzalez	LR				y	13.0
Steve Holeman	OPS				y	13.0
Bruce West	OPS				y	13.0
Justino Gonzalez	LR				y	13.0
Nicolas Gonzalez	LR				y	13.0
Kevin Wilson	LR				y	13.0
Chris Mangrum	OPS				y	13.5
Enrique Rodriguez	LR				y	13.0
Carlos Garcia	QC				y	13.0

TOTAL RECON HOURS: 143.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	13	Personal	
Site Truck	Hulin	13	Personal	
390 Excavator	EXC065	13.5	Owned	
390 Excavator	EXC051	10	Owned	
D6T Dozer	DZR046	8	Owned	
TA 35	DPT050	2.5	Owned	
TA 35	DPT070	2.5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
390 Excavator	EXC034		Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	13	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CONS054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	13	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Changing windshield out in EXC051. 7:37 Cement trucks arrived. 7:55 Slag trucks arrived. 8:00 Begin unloading cement. 8:10 Begin unloading slag. 9:30 Weekly meeting. 11:30 Begin mixing. 12:00 Lunch. 12:30 Finished unloading slag. 1:50 finished unloading cement. Tightened up a line on DPT070. 5:00 Finished mixing. Laying out and preparing grids for tomorrow. Hauling AHA soil. 6:30 Left site. 10 loads of slag = 265.81 tons. 3 loads of cement = 77.01 tons. 10 grids mixed. 24 loads of AHA pond and soils = 380 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/19/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Hulin	SSO				y	12.5
Cesar Gonzalez	LR				y	12.5
Steve Holeman	OPS				y	12.5
Bruce West	OPS				y	12.5
Justino Gonzalez	LR				y	12.5
Nicolas Gonzalez	LR				y	12.5
Kevin Wilson	LR				y	12.5
Chris Mangrum	OPS				y	12.5
Enrique Rodriguez	LR				y	12.5
Carlos Garcia	QC				y	12.5

TOTAL RECON HOURS: 137.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roth	12.5	Personal	
Site Truck	Hulin	12.5	Personal	
390 Excavator	EXC065	13.5	Owned	
390 Excavator	EXC051	12.5	Owned	
D6T Dozer	DZR046	6	Owned	
TA 35	DPT050	2	Owned	
TA 35	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
390 Excavator	EXC034		Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CONS054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
390 Excavator	EXC043	12.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:29 Slag trucks arrived. 7:30 Prep for slag trucks. 8:00 Cement arrived. Begin unloading cement. WTK010 has problems with water cooling out. 8:35 Begin mixing. 12:00 Lunch. 12:51 Finished unloading slag. 1:55 Finished unloading cement. Laying out grids for tomorrow. 5:50 Finishede mixing. Prep grids for tomorrow. Hauling AHA pond soil. 6:00 Left site. 11 loads of slag = 292.49 tons. 3 loads of cement. 76.82 tons. 11 grids mixed. 24 loads of AHA pond soil = 360cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/20/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 92

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Roger Huth	SSO				y	10.5
Oscar Gonzalez	LR				y	10.5
Steve Hickman	OPR				y	10.5
Bruce West	OPR				y	10.5
Avelino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Kevin Wilson	LR				y	10.5
Chris Mangrum	OPR				y	10.5
Enrique Rodriguez	LR				y	10.5
Carlos Garnica	QC				y	10.5
					TOTAL RECON HOURS	115.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.5
					TOTAL HOURS	10.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth	10.5	Personal	
380 Excavator	EXC085	10.5	Owned	
380 Excavator	EXC051	10.5	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	DPT050	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
350 Excavator	EXC034		Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	10.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Cement arrived. 8:10 Unloading cement. 8:21 Slag trucks arrived. 8:30 Begin unloading slag. CB Surveyors out to topo areas. 10:55 Begin mixing. Trash and debris clogged water truck intake. Went inside it and cleaned it out. 11:30 Finished unloading cement. 12:00 Lunch. 1:55 Finished unloading slag. Laying out grids. 3:30 Finshed mixing. Prep grids for tomorrow. Hauling soil from AHA pond. 6:00 Left site. 9 loads of slag = 211.93 tons. 3 loads of cement = 75.47 tons. 8 grids mixed. 23 loads of AHA pond soil = 345 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/21/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LR				y	12.5
Steve Hickman	OPR				y	12.5
Bruce West	OPR				y	12.5
Avelino Gonzalez	LR				y	12.5
Nicolas Gonzalez	LR				y	12.5
Kevin Wilson	LR				y	12.5
Chris Mangrum	OPR				y	12.5
Enrique Rodriguez	LR				y	12.5
Carlos Garnica	QC				y	12.5
					TOTAL RECON HOURS	137.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
380 Excavator	EXC085	10	Owned	
380 Excavator	EXC051	12.5	Owned	
D61 Dozer	DZR046	12.5	Owned	
TA 30	DPT050	2	Owned	
TA 30	DPT070	2	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
350 Excavator	EXC034		Owned	
310 Backhoe	BKH018	5	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	2	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	12.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water and pushing off mud. Slag trucks arrived. 9:30 Cement trucks arrived. 9:34 Begin unloading slag. 10:00 Begin unloading cement. 12:00 Lunch. 12:30 Finished unloading cement. 12:35 Begin mixing. 1:13 Finished unloading slag. Laying out grids. Finished mixing. Prep grids. 6:00 Left site. 9 loads of slag = 207.48 tons. 2 loads of cement = 52.50 tons. 8 grids mixed. 20 loads of AHA pond soil = 300 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1" of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/22/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.5
Oscar Gonzalez	LR				y	12.5
Steve Hickman	OPR				y	12.5
Bruce West	OPR				y	12.5
Avelino Gonzalez	LR				y	12.5
Nicolas Gonzalez	LR				y	12.5
Kevin Wilson	LR				y	12.5
Chris Mangrum	OPR				y	12.5
Enrique Rodriguez	LR				y	12.5
Carlos Garnica	QC				y	12.5
					TOTAL RECON HOURS	137.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12.5	Personal	
380 Excavator	EXC085	12.5	Owned	
380 Excavator	EXC051	12.5	Owned	
D61 Dozer	DZR046	5	Owned	
TA 30	DPT050	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
350 Excavator	EXC034		Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
2000 gal water truck	WTK010	12.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	12.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:40 Slag trucks arrived. 7:57 Begin unloading slag. 8:12 Cement trucks arrived. 8:20 Begin unloading cement. 8:36 Begin mixing. 10:15 Young Electric arrived to demo power lines. 10:30 VLP onsite to replace bolts in counter weight of EXC034. Had to use EXC043 to lift and move counter weight around. 10:37 Finished unloading cement. 12:00 Lunch. VLP's welder would not start so they could not finish repairs. Will have to return Monday to finish. 12:58 Finished unloading slag. 2:00 VLP left site. Laying out grids. 3:30 Finished mixing. Using excavator to lift transformers off of power pole. Hauling soil for grids. 7:10 Young Electric left site. 8:00 Left site. 9 loads of slag = 239.44 tons. 1 load of cement = 24.30 tons. 29 loads of AHA pond soil = 435cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/25/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 107

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	13.0
Roger Huth	SSO				y	14.5
Oscar Gonzalez	LR				y	13.5
Steve Hickman	OPR				y	13.5
Bruce West	OPR				y	13.5
Avelino Gonzalez	LR				y	13.5
Nicolas Gonzalez	LR				y	13.5
Kevin Wilson	LR				y	13.5
Chris Mangrum	OPR				y	13.5
Enrique Rodriguez	LR				y	14.5
Carlos Garnica	QC				y	14.5
Larry Nelson	CM					
					TOTAL RECON HOURS	151.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	13	Personal	
Site Truck	Huth	14.5	Personal	
380 Excavator	EXC085	13.5	Owned	
380 Excavator	EXC051	13.5	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	DPT050	4	Owned	
TA 30	DPT070	4	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC02	8	Owned	
350 Excavator	EXC034		Owned	
310 Backhoe	BKH018	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
C50 truck	ST172		Owned	
2000 gal water truck	WTK010	13.5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
380 Excavator	EXC043	13.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. 7:41 Cement arrived. 7:46 Slag trucks arrived. 7:50 Begin unloading cement. 8:00 Begin unloading slag. 10:00 VLP arrived to continue working on EXC034. 11:22 Finished unloading slag. 11:48 Begin mixing. 12:00 Lunch. 12:02 Finished unloading cement. 2:00 VLP left site. Excavator still not fixed. 6:30 Finished mixing. Laying out grids. Prep grids and hauling aha pond soil. 9:00 Left site. 11 loads of slag = 293.6 tons. 4 loads of cement = 99.84 tons. 11 grids mixed. 26 loads of AHA pond soil = 390 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/26/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Roger Huth	SSO				y	11.5
Oscar Gonzalez	LR				y	11.5
Steve Holeman	OPR				y	11.5
Bruce West	OPR				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Kevin Wilson	LR				y	11.5
Chris Mangrum	OPR				y	11.5
Enrique Rodriguez	LR				y	11.5
Carlos Garcia	QC				y	11.5
Larry Nelson	CM				y	14.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 149.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	11.5	Personal	
Site Truck	Huth	11.5	Personal	
365 Excavator	EXC365	11.5	Owned	
390 Excavator	EXC391	11.5	Owned	
D61 Dozer	DZR046	7	Owned	
TA 30	DPT059	7	Owned	
TA 30	DPT070	7	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC05	8	Owned	
950 Excavator	EXC004	7	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Dbl truck	ST172	14	Owned	
2000 gal water truck	WT6010	11.5	Owned	
40' Office	Modular	8	Rental	
20' Climb	Modular	8	Rental	
20' Conex	CON054	8	Owned	
6" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
365 Excavator	EXC043	11.5	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:28 Cement arrived. 7:28 Slag arrived. 7:30 Prep for slag trucks. 8:00 Begin unloading cement. 8:22 Begin unloading slag. 10:52 Finished unloading slag. 11:10 Begin mixing. Excavating in aha area to determine how far the soils go outside of the pond. 12:00 Lunch. 12:35 Finished unloading cement. 3:30 Finished mixing. Laying out grids. Prep grids for tomorrow. Hauling AHA pond soils. 7:00 Left site. 9 loads of slag = 241.57 tons. 3 loads of cement = 76.57 tons. 45 loads of aha soil = 675 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/27/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Holeman	OPR				y	12.0
Bruce West	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Kevin Wilson	LR				y	12.0
Chris Mangrum	OPR				y	12.0
Enrique Rodriguez	LR				y	12.0
Carlos Garcia	QC				y	12.0
Larry Nelson	CM				y	12.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 144.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	12	Personal	
Site Truck	Huth	12	Personal	
365 Excavator	EXC365	12	Owned	
390 Excavator	EXC391	12	Owned	
D61 Dozer	DZR046	4	Owned	
TA 30	DPT059	5	Owned	
TA 30	DPT070	5	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC05	8	Owned	
950 Excavator	EXC004	8	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Dbl truck	ST172	12	Owned	
2000 gal water truck	WT6010	12	Owned	
40' Office	Modular	8	Rental	
20' Climb	Modular	8	Rental	
20' Conex	CON054	8	Owned	
6" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
365 Excavator	EXC043	12	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Slag trucks arrived. 7:42 Cement trucks arrived. 7:57 Begin unloading slag. 8:15 Begin unloading cement. 9:27 Begin mixing. 10:00 Finished unloading slag. 11:00 Finished unloading cement. 12:00 Lunch. 2:00 Larry arrived. 3:30 Finished mixing. Laying out grids. Prep grids for tomorrow. 7:30 Left site. 8 loads of slag = 160.08tons. 3 loads of cement = 82.37 tons. 50 loads of aha soil = 750cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/28/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	2.0
Oscar Gonzalez	LR				y	10.0
Steve Holeman	OPR				y	10.0
Bruce West	OPR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Larry Nelson	CM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 112.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	10	Personal	
Site Truck	Huth	10	Personal	
365 Excavator	EXC365	8	Owned	
390 Excavator	EXC391	8	Owned	
D61 Dozer	DZR046	4	Owned	
TA 30	DPT059	6	Owned	
TA 30	DPT070	6	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC05	8	Owned	
950 Excavator	EXC004	2	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Dbl truck	ST172	10	Owned	
2000 gal water truck	WT6010	10	Owned	
40' Office	Modular	8	Rental	
20' Climb	Modular	8	Rental	
20' Conex	CON054	8	Owned	
6" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
365 Excavator	EXC043	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for slag trucks. Slag and cement trucks arrived. 7:55 Begin unloading slag. 9:00 Begin unloading cement. 9:30 Begin mixing. 12:00 Lunch. 2:22 Finished unloading slag. Prep layout grids. 4:15 Finished mixing. Hauling AHA soil. 5:30 Left site. 8 loads of slag = 160.61 tons. 1 load of cement = 35.53 tons. 45 loads of aha soil = 720 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 6/29/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 103 heat index104

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holeman	OPR				y	10.0
Bruce West	OPR				n	
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Larry Nelson	CM				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 109.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rush	8	Personal	
Site Truck	Huth	8	Personal	
365 Excavator	EXC365	4.5	Owned	
390 Excavator	EXC391	9	Owned	
D61 Dozer	DZR046	8.5	Owned	
TA 30	DPT059	8	Owned	
TA 30	DPT070	8	Owned	
Dust Collector	DC01	8	Owned	
Dust Collector	DC05	8	Owned	
950 Excavator	EXC004	9	Owned	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04	8	Owned	
Dbl truck	ST172	8	Owned	
2000 gal water truck	WT6010	8	Owned	
40' Office	Modular	8	Rental	
20' Climb	Modular	8	Rental	
20' Conex	CON054	8	Owned	
6" Water Pump	Foley	8	Rental	
3" Water Pump	Foley	8	Rental	
2" Water Pump	Foley	8	Rental	
JD Gator	ATV014	8	Owned	
365 Excavator	EXC043	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 hrs safety meeting. 0725hrs prep. For slag trucks. First slag truck on site 0730 hrs. 0749 unloading first slag truck, no cement trucks today to unload. 0808 hours starting to mix cell UD-1. 0825 starting hauling soil from AHA. We are mixing last four cell in west pond today and they are UD-3,AU-4,UD-1 and AU-6. The last two loads of slag went to pit for holding for other material later on. Last slag truck off site 1045 hours. Took samples of cells UD-1 and AU-6 to be send to lab. For testing. 1900 hours having Oscar pick-up site and putting everything in one location. We hauled 73 loads from AHA to west pond 1,095 cu. yds. also level some of grids AU-4 AU-5 and UD-3 today. 1700 hrs crew fueling and greasing equipment picking up pumps and putting in Conex. 1730 hours crew leaving site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

We received a total of 158.73 tons of slag today.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 6/30/12
DAY OF WEEK: Saturday
WEATHER/TEMP: Clear 101 heat index 103

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				n	
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holdman	OPR				y	10.0
Royce Wolf	OPR				n	
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	4.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Larry Nelson	CM				y	10.0

TOTAL RECON HOURS: 84.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rub		Personal	
Site Truck	Huth	8	Personal	
390 Excavator	EXC385		Owned	never used
350 Excavator	EXC351		Owned	never used
D61 Dozer	DZR046	8	Owned	
TA 30	DPT286	8	Owned	
TA 30	DPT373	8	Owned	
Dust Collector	DC01		Owned	never used
Dust Collector	DC02		Owned	never used
350 Excavator	EXC354		Owned	never used
310 Backhoe	BKH016	1	Owned	
Grease Rig	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04		Owned	never used
2250 truck	ST172	8	Owned	
2000 gal water truck	WT4010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley		Rental	never used
2" Water Pump	Foley		Rental	never used
JD Gator	ATV014	8	Owned	
350 Excavator	EXC043	9	Owned	

TOTAL HOURS

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700hrs. Safety meeting 0730 hrs crews checking out equipment. Today going to be hauling material from AHA to west pond filling low areas.1300hrs lunch 1230 back to work. 1230 Hours had to put air in front left tire DPT056 low air pressure. We hauled 106 loads from AHA area to west pond and spread out in 1' lifts total of around 1470 cu yds. at 14cu. yds per truck. 1700hours crew furling and greasing equipment. 1730 leaving site .

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Received 857 gals. Of off road fuel today from Southwind oil corp.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/2/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 92 Heat Index 96

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				n	8.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holdman	OPR				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				n	
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Larry Nelson	CM				y	10.0

TOTAL RECON HOURS: 89.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rub		Personal	never used
Site Truck	Huth	8	Personal	
390 Excavator	EXC385		Owned	never used
350 Excavator	EXC351		Owned	never used
D61 Dozer	DZR046	8	Owned	
TA 30	DPT286	8	Owned	
TA 30	DPT373	8	Owned	
Dust Collector	DC01		Owned	never used
Dust Collector	DC02		Owned	never used
350 Excavator	EXC354		Owned	never used
310 Backhoe	BKH016	3	Owned	
Grease Rig	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04		Owned	never used
2250 truck	ST172	8	Owned	
2000 gal water truck	WT4010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley		Rental	never used
2" Water Pump	Foley		Rental	never used
JD Gator	ATV014	3	Owned	
350 Excavator	EXC043	8	Owned	

TOTAL HOURS

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 0730 load material from above ground grids and haul to north end of west pond to be spread out. 1000 hours moved excavator to AHA area to load out material and haul to pond area west pond. 1130 off road truck down front left tire went flat tire guy is on his way out to repair or replace.1200 hours break for lunch. 1230 hrs. back to work still hauling material from AHA area. 1255 hours tire man here he has to replace two tires both on left hand side of truck.If your looking at it from front.1304 hrs crew here to abandon well at AHA.1455 hours tires replace on truck DPT056 and back hauling material. Well has been seal off. Hauled 75 loads from AHA area to west pond for 1,050 cu. yds. Truck DT9606 was down for three hours . 1710 fueling and greasing equipment. 1730 hours everyone leaving site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

replace two tires on off road truck DPT056 tire size 235-r25 Tire Centers, LLC - Store# 700 2290 South Sheridan Street, Wichita, Ks. P.O.# 2-3529-0134

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/3/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 79

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup					8.0
Roger Huth	SSO				y	8.0
Oscar Gonzalez	LR				y	5.0
Steve Holdman	OPR				y	5.0
Justino Gonzalez	LR				y	5.0
Nicolas Gonzalez	LR				y	5.0
Kevin Wilson	LR				y	5.0
Chris Mangrum	OPR				y	
Enrique Rodriguez	LR	travel	home		y	
Carlos Garcia	QC				y	5.0
Larry Nelson	CM				y	8.0

TOTAL RECON HOURS: 84.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rub		Personal	never used
Site Truck	Huth	8	Personal	
390 Excavator	EXC385		Owned	never used
350 Excavator	EXC351		Owned	never used
D61 Dozer	DZR046		Owned	5
TA 30	DPT286		Owned	5
TA 30	DPT373		Owned	5
Dust Collector	DC01		Owned	never used
Dust Collector	DC02		Owned	never used
350 Excavator	EXC354		Owned	never used
310 Backhoe	BKH016		Owned	1
Grease Rig	GRS009		Owned	0.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04		Owned	never used
2250 truck	ST172	8	Owned	
2000 gal water truck	WT4010	5	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	5	Rental	
3" Water Pump	Foley		Rental	never used
2" Water Pump	Foley		Rental	never used
JD Gator	ATV014		Owned	never used
350 Excavator	EXC043	5	Owned	

TOTAL HOURS

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting.0730 crew checking out equipment . Hauling from AHA area and spreading out in west pond in one foot lifts. Had trucks get loaded and wheel roll lift in that was place in west pond in last three work days, before placing another lift, we hauled 44 loads today at 14 cu. yds. per load for a total of 616 cu. yds.1200 hours everyone leaving site we'll be back Monday morning July,9,2012

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

this morning coming on site their were some horses and cows in work area called Stuart with MWH to let him know he said he would get in touch with owner of cattle and horses. Had to set and watch gate at railroad so cattle couldn't get out.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/5/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 93

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				n	
Oscar Gonzalez	LR				y	10.0
Steve Holdman	OPR				y	10.0
Nick Daly	Sup					
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Larry Nelson	CM				y	10.0

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rub	10	Personal	
Site Truck	Huth		Personal	
390 Excavator	EXC385		Owned	
350 Excavator	EXC351		Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT286	10	Owned	
TA 30	DPT373	10	Owned	
84" Compactor	VLF	8	Rental	
Dust Collector	DC02		Owned	
350 Excavator	EXC354		Owned	
310 Backhoe	BKH016		Owned	
Grease Rig	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04		Owned	
2250 truck	ST172	10	Owned	
2000 gal water truck	WT4010	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON054	8	Owned	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
JD Gator	ATV014	8	Owned	
350 Excavator	EXC043	10	Owned	
CAT 730	Warren	5	Rental	

TOTAL HOURS

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Inspect equipment. 7:45 Begin hauling AHA pond soil. Removing stakes along west pond. 8:21 84" Compactor arrived from VLF. 9:00 Southwind Oil delivered fuel and grease. 9:30 Weekly meeting. 12:00 Lunch. Warren Cat arrived with offroad truck. 12:30 Back to work. Continued hauling AHA soil. 2:30 Staking out west pond. 5:00 Fueling and greasing. 5:30 Left site. 129 loads of AHA pond soil = 1806 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel and grease

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3039
DATE: 7/11/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Hulin	SSO				y	
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	10.0
Nick Daly	Sup				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	5.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 105.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roh	10	Personal	
Site Truck	Huln	10	Personal	
320 Excavator	EXC085		Owned	
320 Excavator	EXC061		Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
84" Compactor	VLP	10	Rental	
Dust Collector	DC03		Owned	
350 Excavator	EXC034		Owned	
310 Backhoe	BKH016	1	Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Dust Collector	DC04		Owned	
2000 truck	ST172	10	Owned	
2000 gal water truck	WT4010	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	10	Rental	
3" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
20 Gator	ATV014		Owned	
350 Excavator	EXC043	10	Owned	
CAT 730	Warren	10	Rental	

TOTAL HOURS: 10.0

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin hauling AHA pondsoil into the west pond. 10:30 Stake out in west pond. 12:00 Lunch. Kevin left for the day. 12:30 Back to work. Continued hauling AHA pond soil. 3:00 Nick Daly arrived onsite. Carlos gave orientation. 5:00 Fueling and greasing equipment. 5:30 Left site. 150 loads of AHA pond soil = 2,100cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3039
DATE: 7/12/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 92

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Hulin	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	10.0
Nick Daly	Sup				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roh	10	Personal	
Site Truck	Huln	10	Personal	
320 Excavator	EXC085		Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
84" Compactor	VLP		Rental	
310 Backhoe	BKH016	1	Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
2000 truck	ST172	10	Owned	
2000 gal water truck	WT4010	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	10	Rental	
3" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
20 Gator	ATV014	8	Owned	
350 Excavator	EXC043	10	Owned	
CAT 730	Warren	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling AHA pond soil. Decoring dust boxes and excavators. Rented pressure washer from JRS Rental. 12:00 Lunch. 12:30 back to work. Continued hauling soil and placing in the west pond. 2:45 Matt arrived onsite. 4:50 Completed decon of EXC034. 5:00 Fueling and greasing. 5:30 Left site. 132 loads of AHA soil = 1,848 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3039
DATE: 7/12/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 94

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Hulin	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	10.0
Nick Daly	Sup				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roh	10	Personal	
Site Truck	Huln	10	Personal	
320 Excavator	EXC085	1	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
84" Compactor	VLP		Rental	
310 Backhoe	BKH016	2	Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
2000 truck	ST172	10	Owned	
2000 gal water truck	WT4010	10	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley	10	Rental	
3" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
20 Gator	ATV014	8	Owned	
350 Excavator	EXC043	10	Owned	
CAT 730	Warren	10	Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling AHA soil. Decoring dust boxes and excavator. 10:00 Collect soil samples of berms around west pond and carried them to Terracon in Wichita. 12:00 Lunch. 12:30 Back to work. Continued hauling soil and placing in the west pond. 4:00 Completed decon of excavator and dust boxes. Took pressure washer back to JRS Rentals. 5:00 Fueling and greasing. 5:30 Left site. 120 loads of AHA soil = 1,680 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3039
DATE: 7/13/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Hulin	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	10.0
Nick Daly	Sup				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				x	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Carlos Garcia	QC				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Roh	10	Personal	
Site Truck	Huln	10	Personal	
320 Excavator	EXC085	8	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT006	8	Owned	
TA 30	DPT070	8	Owned	
84" Compactor	VLP	8	Rental	
310 Backhoe	BKH016	1	Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
2000 truck	ST172	10	Owned	
2000 gal water truck	WT4010	8	Owned	
40' Office	Mobmini	8	Rental	
20' Conex	Mobmini	8	Rental	
20' Conex	CON004	8	Owned	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
20 Gator	ATV014	8	Owned	
350 Excavator	EXC043	10	Owned	
CAT 730	Warren		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling AHA soil. Hazard hunt at the south tank farm. 9:00 Lanny picked up new air compressor tank and hydraulic filters for the excavators. Rented road signs from Road Safe. 12:00 Lunch. 12:30 Back to work. Continued Hauling AHA soil. 1:30 Finished hauling soil from AHA. Marking monitoring wells and items. 2:00 Begin prep in south tank farm. Clearing trees off berms. Line broke on EXC085. 3:30 Installing fence around AHA pond. 5:00 Fueling and greasing. 5:30 Left site. 42 loads of aha soil = 588cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 7/16/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 100

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Matt Meyers	RECON					
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LR				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LR				y	10.0							
Nicolas Gonzalez	LR				y	10.0							
Kevin Wilson	LR				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LR				y	10.0							
Larry Nelson	CM				y	10.0							
TOTAL RECON HOURS						110.0	TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal		84" Compactor	VLP	4	Rental	
Site Truck	Huth	10	Personal		CAT 730	Warren		Rental	
390 Excavator	EXC065	8	Owned		20' Conex	Mobilmini	8	Rental	
350 Excavator	EXC043	8	Owned		40' Office	Mobilmini	8	Rental	
D61 Dozer	DZR046	10	Owned		2" Water Pump	Foley		Rental	
TA 30	DPT056		Owned		4" Water Pump	Foley		Rental	
TA 30	DPT070		Owned		2" Water Pump	Foley		Rental	
20' Conex	CON054	8	Owned						
2000 Gal Water Truck	WTK010	8	Owned						
JD Gator	ATV014	4	Owned						
310 Backhoe	BKH016	2	Owned						
Grease Skid	GRS009	1	Owned		F250 Truck	BT172	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Changed haydraulic filters in EXC043. Clearing berms in south tank farm. Repairing greaser/air compressor. Replaced line on EXC065. 9:00 Cutting down high areas in west pond from stabilization. 11:00 Another line blew on EXC065. 12:00 Lunch. 12:30 Back to work. Cutting down areas in west pond. 2:00 Stopped clearing on berms and started spreading soil in west pond. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 7/17/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 102

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Matt Meyers	RECON					
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LR				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LR				y	10.0							
Nicolas Gonzalez	LR				y	10.0							
Kevin Wilson	LR				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LR				y	10.0							
Larry Nelson	CM												
TOTAL RECON HOURS						100.0	TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal		84" Compactor	VLP	10	Rental	
Site Truck	Huth	10	Personal		CAT 730	Warren	2	Rental	
390 Excavator	EXC065	8	Owned		20' Conex	Mobilmini	8	Rental	
350 Excavator	EXC043	10	Owned		40' Office	Mobilmini	8	Rental	
D61 Dozer	DZR046	10	Owned		2" Water Pump	Foley		Rental	
TA 30	DPT056	8	Owned		4" Water Pump	Foley		Rental	
TA 30	DPT070	8	Owned		2" Water Pump	Foley		Rental	
20' Conex	CON054	8	Owned						
2000 Gal Water Truck	WTK010	10	Owned						
JD Gator	ATV014	8	Owned						
310 Backhoe	BKH016	2	Owned						
Grease Skid	GRS009	1	Owned		F250 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued cutting down high areas in west pond. Grading, watering and compacting the soil. 8:00 12:00 Lunch. 12:30 Back to work. Continued grading west pond. Restabilized AUB because it was still soft. 2:30 Completed grading waste material. Moved to south tank farm to begin loading berm soil. 2:45 Hauling berm soil to aha pond. 5:00 Fueling and greasing. 5:30 left site. 39 loads of berm soil to tah aha pond. 546 cy

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 7/18/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 103

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Matt Meyers	RECON					
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LR				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LR				y	10.0							
Nicolas Gonzalez	LR				y	10.0							
Kevin Wilson	LR				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LR				y	10.0							
Larry Nelson	CM												
TOTAL RECON HOURS						100.0	TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal		84" Compactor	VLP		Rental	
Site Truck	Huth	10	Personal		CAT 730	Warren	10	Rental	
390 Excavator	EXC065	2	Owned		20' Conex	Mobilmini	8	Rental	
350 Excavator	EXC043	10	Owned		40' Office	Mobilmini	8	Rental	
D61 Dozer	DZR046	10	Owned		2" Water Pump	Foley		Rental	
TA 30	DPT056	10	Owned		4" Water Pump	Foley		Rental	
TA 30	DPT070	10	Owned		2" Water Pump	Foley		Rental	
20' Conex	CON054	8	Owned						
2000 Gal Water Truck	WTK010	5	Owned						
JD Gator	ATV014		Owned						
310 Backhoe	BKH016		Owned						
Grease Skid	GRS009	8	Owned		F250 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Blew out radiator on EXC043 and air filters on every piece of equipment. BKH016 has a leak on the left front planitary. 8:30 Hauling soil from south tank farm to AHA pond. Took WTK010 to Wichita to get A/C fixed. 12:00 Lunch. 12:30 Back to work. Hauling soil to AHA pond. 1:30 Loaded out dust control boxes. 5:00 Fueling and greasing equipment. 5:30 Left site. 153 loads of berm soil = 2,141 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 7/19/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 102

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Matt Meyers	RECON					
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LR				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LR				y	10.0							
Nicolas Gonzalez	LR				y	10.0							
Kevin Wilson	LR				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LR				y	10.0							
Larry Nelson	CM												
TOTAL RECON HOURS						100.0	TOTAL HOURS						

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal		84" Compactor	VLP		Rental	
Site Truck	Huth	10	Personal		CAT 730	Warren	10	Rental	
390 Excavator	EXC065		Owned		20' Conex	Mobilmini	8	Rental	
350 Excavator	EXC043	10	Owned		40' Office	Mobilmini	8	Rental	
D61 Dozer	DZR046	10	Owned		2" Water Pump	Foley		Rental	
TA 30	DPT056	10	Owned		4" Water Pump	Foley		Rental	
TA 30	DPT070	10	Owned		2" Water Pump	Foley		Rental	
20' Conex	CON054	8	Owned						
2000 Gal Water Truck	WTK010	8	Owned						
JD Gator	ATV014		Owned						
310 Backhoe	BKH016	1	Owned						
Grease Skid	GRS009	1	Owned		F250 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil to AHA pond. Changed batteries in security cameras. Mounted air compressor on skid. 12:00 Lunch. 12:30 Back to work. Continued hauling berm soil to AHA pond. 1:10 Lightning shutdown. 2:20 Back to work. 5:00 Fueling and greasing. 5:30 Left site. 133 loads of berm soil = 1,862 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/23/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 102

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPS				y	10.0
Carlos Garcia	GC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Lanny Nelson	CM					

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC061		Owned	
350 Excavator	EXC042	10	Owned	
D61 Dozer	DZR049	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
20 Gator	ATV014		Owned	
210 Backhoe	BKH016		Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
CAT 730	Warren	10	Rental	
20' Canes	Midwest	8	Rental	
40' Office	Midwest	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauled soil to AHA from south tank farm. Topo primary pond and west pond. 10,314 cy of fill needed to reach subgrade. 10:30 Roger took Justino to take random. 12:00 Lunch. 12:30 Back to work. Continued hauling soil to AHA pond. 4:45 Washing radiators out on equipment. 5:00 Fueling and greasing. 5:30 Left site. 141 loads of berm soil = 1,974 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Southwind Oil delivered fuel $2,915.01.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/23/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPS				y	10.0
Carlos Garcia	GC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Lanny Nelson	CM				y	

TOTAL RECON HOURS: 105.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC061		Owned	
350 Excavator	EXC042	10	Owned	
D61 Dozer	DZR049	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
20 Gator	ATV014		Owned	
210 Backhoe	BKH016		Owned	
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
CAT 730	Warren	10	Rental	
20' Canes	Midwest	8	Rental	
40' Office	Midwest	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D61 Dozer	DZR049		Owned	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil from south tank farm to AHA pond. Staking out west pond and primary pond berms. 9:30 Weekly meeting. 12:00 Lunch. 12:30 Back to work. Continued hauling soil. 2:00 Unbolted blowers. New blower needs to go to shop to get repaired. 5:00 Fueling and greasing. 5:30 Left site. 153 loads of berm soil = 2,142cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/24/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 102

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPS				y	10.0
Carlos Garcia	GC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	10.0
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 110.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC061	3	Owned	
350 Excavator	EXC042	10	Owned	
D61 Dozer	DZR049	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
20 Gator	ATV014	8	Owned	
210 Backhoe	BKH016		Owned	
Grease Skid	GRS009	6	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
CAT 730	Warren	10	Rental	
20' Canes	Midwest	8	Rental	
40' Office	Midwest	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D61 Dozer	DZR049	8	Owned	
F250 Truck	ST172	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil from south tank farm to AHA pond. Went to Interstate battery to get battery for DPT006. 8:00 DZR049 arrived and EXC061 left. Replacing starter on ATV014. 10:00 Midwest Electric picked up blower for repairs. Moved blowers out of blower building. 12:00 Lunch. 12:30 Back to work. Continued hauling soil. 3:30 Begin pushing rock off of slopes in west pond and stage 3. 5:00 Fueling and greasing equipment. 5:30 Left site. 155 loads of berm soil = 2170cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 7/25/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 106

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPS				y	10.0
Carlos Garcia	GC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				y	
Chris Mangrum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Lanny Nelson	CM				y	10.0

TOTAL RECON HOURS: 100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC061	8	Owned	
350 Excavator	EXC042	10	Owned	
D61 Dozer	DZR049	10	Owned	
TA 30	DPT006	10	Owned	
TA 30	DPT070	10	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
20 Gator	ATV014	8	Owned	
210 Backhoe	BKH016		Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
CAT 730	Warren	10	Rental	
20' Canes	Midwest	8	Rental	
40' Office	Midwest	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D61 Dozer	DZR049	10	Owned	
F250 Truck	ST172	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil into AHA pond. Knock down power poles. Demo blower building. Cleaning rock off of slopes and knocking down cement and slag pits. 12:00 Lunch. 12:30 Back to work. Continued hauling berm soil. 2:00 Placed erosion control around culvert in tank farm. 3:00 Lanny arrived. 4:00 Lightning shutdown. 5:00 Pickup signs and secure everything. 5:30 Left site. 152 loads of soil = 2,128cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/26/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 94

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0	Matt Meyers	RECON					
Roger Huth	S/O				y	10.0							
Oscar Gonzalez	LB				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LB				y	10.0							
Nicolas Gonzalez	LB				y	10.0							
Kevin Wilson	LB				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LB				y	10.0							
Larry Nelson	CM				y	10.0							
				TOTAL RECON HOURS		110.0					TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal		84" Compactor	VLP		Rental	
Site Truck	Huth	10	Personal		CAT 730	Warren	8	Rental	
380 Excavator	EXC085	4	Owned		20' Conex	Mobmini	8	Rental	
360 Excavator	EXC043	10	Owned		40' Office	Mobmini	8	Rental	
D61 Dozer	DZR046	10	Owned		2" Water Pump	Foley		Rental	
TA 30	DPT058	8	Owned		4" Water Pump	Foley		Rental	
TA 30	DPT070	10	Owned		3" Water Pump	Foley		Rental	
20' Conex	CON054	8	Owned		D65 Dozer	DZR049	10	Owned	
2000 Gal Water Truck	WTK010	10	Owned						
JD Gator	ATV014	8	Owned						
310 Backhoe	BKH016		Owned						
Grease Skid	GRS009	8	Owned		F250 Truck	BT172	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil into AHA pond. Layout areas. Piled up concrete north of the decon pad. Pushing rock into west pond from slopes. 12:00 Lunch. 12:30 Back to work. Continued hauling soil to AHA pond. 1:45 Finished hauling soil into AHA pond. 2:30 Put thumb on EXC043. 3:00 Finished grading AHA pond. 5:00 Fueling and greasing. 60 loads of soil = 840cy. 1 load of concrete and 1 load of metal from South Tank Farm.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/27/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 103

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y								
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LB				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LB				y	10.0							
Nicolas Gonzalez	LB				y	10.0							
Kevin Wilson	LB				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LB				y	10.0							
Larry Nelson	CM				Y	10.0							
				TOTAL RECON HOURS		100.0					TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal		84" Compactor	VLP	8	Rental	
Site Truck	Huth	8	Personal		CAT 730	Warren		Rental	off rent
380 Excavator	EXC085	9	Owned	6231 hrs.	20' Conex	Mobmini	8	Rental	
360 Excavator	EXC043	9	Owned	8578 hrs.	40' Office	Mobmini	8	Rental	
D61 Dozer	DZR046	9	Owned	4715 hrs.	2" Water Pump	Foley		Rental	
TA 30	DPT058	9	Owned	4244 hrs.	4" Water Pump	Foley		Rental	
TA 30	DPT070	9	Owned	2916 hrs.	3" Water Pump	Foley		Rental	
20' Conex	CON054	8	Owned		D65 Dozer	DZR049		Owned	4002 hrs
2000 Gal Water Truck	WTK010	9	Owned	1429 hrs.					
JD Gator	ATV014	2	Owned	broken					
310 Backhoe	BKH016		Owned	in shop					
Grease Skid	GRS009	1	Owned	N/A	F250 Truck	BT172	8	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 hours safety meeting. Cleaning up debris from south tank farm, moving dirt and rocks from last pond on east and putting into west pond. 0800 hrs went to water department and picked up water meter. We hauled 2- loads of metal ,3-loads of wood and trash and concrete. This was from tank farm. 43 loads of rock and dirt hauled from east pond to west pond and place and compacted. 43 loads at 15 cu. yds. per load 645 cu yds. 1730 hrs everyone off site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

At 1425 hours Stuart came and said he talked to Bill Waters with Terracon testing about the couple of samples that fail . He said he called Jon and Matt talk to Jon but couldn't get a hold of Matt. He wants Terracon to test the two samples that failed and add moisture like 97% of standard proctor and 2% above optimum moisture. Doug and Stuart drove around site looking everything over and said everything look good.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

The Buckeye Corp. 1- 3" suction hose to fill water truck total $225.47 picked up water meter reading on it is 7323. Warren cat picked up off road truck today at 1253hours, hours on it were 190.9.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/30/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 105

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup					Vac.	Matt Meyers	RECON					
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LB				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LB				y	10.0							
Nicolas Gonzalez	LB				y	10.0							
Kevin Wilson	LB				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LB				y	10.0							
Larry Nelson	CM				y	10.0							
				TOTAL RECON HOURS		100.0					TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal		84" Compactor	VLP	6	Rental	
Site Truck	Huth	8	Personal		F250 Truck	BT172	8	Owned	
380 Excavator	EXC085	9	Owned		20' Conex	Mobmini	8	Rental	
360 Excavator	EXC043	9	Owned		40' Office	Mobmini	8	Rental	
D61 Dozer	DZR046	9	Owned		3" Water Pump	Foley		Rental	never used
TA 30	DPT058	3	Owned		4" Water Pump	Foley		Rental	never used
TA 30	DPT070	9	Owned		2" Water Pump	Foley		Rental	never used
20' Conex	CON054	8	Owned		D65 Dozer	DZR049	2	Owned	
2000 Gal Water Truck	WTK010	4.5	Owned						
JD Gator	ATV014	1	Owned						
310 Backhoe	BKH016	1	Owned						
Grease Skid	GRS009	1	Owned						

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 going over to tank farm to finish up from Friday. Finishing loading out soil from east pond and hauling to west pond. 0930 hrs. having meeting with MWH at house.1000hrs. meeting over ,Steve done with tank farm and going back across to pond area to start cleaning up concrete and metal. 1145 Backhoe fix and back on site. 1200hrs. Breaking for lunch. Larry working on water truck to get it started 1225hrs water truck running 1230hrs back to work cutting out west dike and putting in 9 inch lifts. 1430 hrs. machine here to look at water truck. Worked on putting first 8inch lift on north west corner of west pond got about 150'x350' area done. 1700 hours men fueling and greasing equipment . Also got all of misc. concrete and metal and wood up and place in area. 1730 hours leaving site

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

WATER TRUCK Wouldn't START THIS MORNING called for service and they cant get here until after 1200 hours.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 7/31/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: cloudy 102

PERSONNEL							SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS	EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup					Vac.	Matt Meyers	RECON					
Roger Huth	SSO				y	10.0							
Oscar Gonzalez	LB				y	10.0							
Steve Hickman	OPR				y	10.0							
Carlos Garnica	QC				y	10.0							
Justino Gonzalez	LB				y	10.0							
Nicolas Gonzalez	LB				y	10.0							
Kevin Wilson	LB				y	10.0							
Chris Mangrum	OPR				y	10.0							
Enrique Rodriguez	LB				y	10.0							
Larry Nelson	CM				y	10.0							
				TOTAL RECON HOURS		100.0					TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:	EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal		84" Compactor	VLP	8	Rental	
Site Truck	Huth	8	Personal		F250 Truck	BT172	8	Owned	
380 Excavator	EXC085		Owned	never used	20' Conex	Mobmini	8	Rental	
360 Excavator	EXC043	9	Owned		40' Office	Mobmini	8	Rental	
D61 Dozer	DZR046	9	Owned		3" Water Pump	Foley		Rental	never used
TA 30	DPT058		Owned		4" Water Pump	Foley		Rental	never used
TA 30	DPT070		Owned		2" Water Pump	Foley		Rental	never used
20' Conex	CON054	8	Owned		D65 Dozer	DZR049	4	Owned	
2000 Gal Water Truck	WTK010		Owned						
JD Gator	ATV014	8	Owned						
310 Backhoe	BKH016	1	Owned						
Grease Skid	GRS009	1	Owned						

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

0700 hours safety meeting. 0730 crew checking out equipment and going to start putting in lift in west pond west side. Compacting first 8' lift from yesterday after we add water and took dozer and rip up. 1000 hrs Berry equipment here to work on D-65 dozer.1200 hrs. breaking for lunch also Treeacon here to do compaction test. 1230 back to work putting in lifts on west side going east. 1630 hrs. starting to put first lift on southwest corner took out both stone ramps before filling. we put down 10 loads of water today. Remove a little over half of west dike. Had a couple of men clean up around office and conex boxes today and place grade stakes in fill and mark up to 8inches lift. 1700 starting to shut down equipment for refueling and greasing. 1730 hrs. leaving site for the day.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

I showed Stuart a spot in west dike that was on bottom it was dark with oil and smelled like oil. He had Doug come out to look at it they both said that will have to put and RFI out to get it dug out and place on bottom of fill. Terracon on site for compaction test he tested the he tested the north west side of primary pond the test came for compaction 94.5 18.6 moisture 96.3 compaction 19.8 moisture.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

Berry equipment on site to repair air conditioner on D-65 dozer. Received 821 gallons of fuel $2843.02. from southwind fuel.

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0539
DATE: 8/1/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: prtly cloudy 89

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup					Vac
Roger Huth	SSO				y	5.0
Oscar Gonzalez	LB				y	5.0
Steve Holeman	OPR				y	5.0
Carlos Garnica	QC				y	5.0
Justino Gonzalez	LB				y	5.0
Nicolas Gonzalez	LB				y	5.0
Kevin Wilson	LB				y	5.0
Chris Mangrum	OPR				y	5.0
Enrique Rodriguez	LB				y	5.0
Larry Nelson	CM				y	10.0
				TOTAL RECON HOURS:		[illegible]

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal	
Site Truck	Huth	5	Personal	
380 Excavator	EXC085		Owned	6250 hours
380 Excavator	EXC043	5	Owned	6608 hours
D61 Dozer	DZR048	5	Owned	4736 hours
TA 30	DPT050	4	Owned	4257 hours
TA 30	DPT070	5	Owned	2941 hours
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	5	Owned	
JD Gator	ATV014	1	Owned	Broken
310 Backhoe	BKH018	1	Owned	3111 hours
Grease Skid	GRS009	1	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	5	Rental	
F250 Truck	ST172	8	Owned	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
2" Water Pump	Foley		Rental	never used
4" Water Pump	Foley		Rental	never used
3" Water Pump	Foley		Rental	never used
D65 Dozer	DZR049	5	Owned	3418 hours

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Starting to put lift in on north east corner of primary pond . Loaded up one off road truck to help get our compaction, took d-61 dozer across to tank farm to put in ditch by gate. This was per Stuart request to keep water from running off into ditch.Put in check dam on west side south and also to keep run off. put a nine inch lift in on north east corner primary pond.1130 hrs fueling equipment getting ready to leave for turn around week end.1200 leaving site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Stuart wants erosion control along west fence where dike is being cut out

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: Lanny D. Nelson

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0539
DATE: 8/6/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Holeman	OPR				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LB				y	10.0
Larry Nelson	CM					
				TOTAL RECON HOURS:		100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
380 Excavator	EXC085		Owned	
380 Excavator	EXC043	10	Owned	
D61 Dozer	DZR048	10	Owned	
TA 30	DPT050	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	8	Rental	
F250 Truck	ST172		Owned	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D65 Dozer	DZR049	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling grass and rocky soil from west berm into pond. Stripping grass from center berm and stage 3 pond. 8:00 ripping, watering, and compacting areas to get ready for testing. VLP arrived to work on compacter. They found a bad silenoid. 8:30 Weekly meeting. 12:00 Lunch. 12:30 Compacting soil fot the lab. 1:00 Lab arrived. Soil not passing density tests. There are some hydrocarbons in the soil that were keeping it from passing. The material is at least 2.5' below the final grade. Stuart is going to get with Doug and see if we will be able to leave it there or move it down to a lower area. Watering and compacting the area that didn't have hydrocarbons in it. It was a little dry but the compaction was there. 3:30 Begin hauling and placing berm soil. 4:00 Terracon left site. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0539
DATE: 8/7/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: cloudy 97

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Holeman	OPR				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LB				y	10.0
Larry Nelson	CM					
				TOTAL RECON HOURS:		100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
380 Excavator	EXC085	8	Owned	
380 Excavator	EXC043	2	Owned	
D61 Dozer	DZR048	10	Owned	
TA 30	DPT050	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
F250 Truck	ST172		Owned	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D65 Dozer	DZR049	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil into west pond for clay cover. Pushing middle berm in. Ripping, watering, and compacting areas to meet compaction. 8:00 Have noise on EXC043 engine and could not determine what it was. Called VLP out to check it. Determined it was a bad exhaust leak. Swapped seats with EXC085. 9:30 Lightning shutdown. 11:30 Back to work. 12:00 Lunch. 12:30 Back to work. Preparing areas for density tests and hauling soil. 1:45 Terracon arrived to take densities. We have passing densities. 5:00 Fueling and greasing. 5:15 Terracon left site. 5:30 Left site. 60 loads of berm soil = 840 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Lightning shut down.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0539
DATE: 8/8/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 100

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Holeman	OPR				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Kevin Wilson	LB				y	10.0
Chris Mangrum	OPR				y	10.0
Enrique Rodriguez	LB				y	10.0
Larry Nelson	CM					
				TOTAL RECON HOURS:		100.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
				TOTAL HOURS		

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
380 Excavator	EXC085	10	Owned	
380 Excavator	EXC043		Owned	
D61 Dozer	DZR048	10	Owned	
TA 30	DPT050	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
F250 Truck	ST172		Owned	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D65 Dozer	DZR049	10	Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil into west pond for clay cap. Ripping, watering, and compacting soil. 1:45 Terracon around to take densities. Also took 3 shelby tubes. 4:30 Terracon left site. 5:00 Fueling and greasing. 5:30 Left site. 92 loads of soil hauled = 1,288 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: Lanny D. Nelson

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/8/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holeman	OPS				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Kevin Wilson	LR				n	
Chris Mangum	OPS				y	10.0
Enrique Rodriguez	LR				y	10.0
Lenny Nelson	OM					

TOTAL RECON HOURS: 90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085	10	Owned	
350 Excavator	EXC043		Owned	
D6N Dozer	DZR046	8	Owned	
TA 30	DPT058	2	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS: 90.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
D6N Dozer	DZR042	10	Owned	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin excavating contaminated soil from west berm. Wasting EXC043 for demobe. Ripping, watering, and compacting soil for demolition. Took 3" water pumps back to Foley. 11:00 Finished excavating soil from berm. Excavating high area on the south end of pond. Tracking company picked up exc043 to demobe to Houston. 5:00 Fueling equipment. 5:30 Left site. 16 loads of contaminated soil = 224cy. 30 loads of berm soil = 420cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/13/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holeman	OPS				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.0
Chris Mangum	OPS				y	10.0
Lenny Nelson	OM					

TOTAL RECON HOURS: 90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085	10	Owned	
D6N Dozer	DZR046	10	Owned	
D6N Dozer	DZR046	8	Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
F250 Truck	ST172		Owned	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing, watering, and compacting soil in the west pond. 9:30 Weekly meeting. 12:00 Lunch. 12:30 Back to work. Continued placing soil. 3:00 Terracon arrived to take densities. Took 3 shelby tubes. All passing densities. 5:00 Fueling and greasing. Finished first lift. 5:15 Terracon left. 5:30 left site. 138 loads @ 14 = 1,932cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/14/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Rainy 73

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holeman	OPS				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.5
Chris Mangum	OPS				y	10.0
Lenny Nelson	OM					

TOTAL RECON HOURS: 90.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085	10	Owned	
D6N Dozer	DZR046	10	Owned	
D6N Dozer	DZR046	5	Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
F250 Truck	ST172		Owned	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil and placing. 10:30 Light rain falling and not effecting the work. 12:00 Lunch. 12:30 Back to work. Continued hauling soil and placing. 1:30 Pipes in middle berm are slowing the process down due to the fact that we don't want the pipe broken and end up to our fill. So we are working on removing it first. 2:30 Rain quit. 5:00 Fueling and greasing. 5:30 Left site. 8:00 Enrique met water truck delivery driver to receive the water truck. 74 loads of soil = 1,05lcy. 1 load of scrap and 3 loads of trash pipe.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/15/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Holeman	OPS				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.0
Chris Mangum	OPS				y	10.0
Lenny Nelson	OM					

TOTAL RECON HOURS: 90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					2.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC085	10	Owned	
D6N Dozer	DZR046	10	Owned	
D6N Dozer	DZR046	5	Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS: 2.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
F250 Truck	ST172	8	Owned	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil and placing in second lift for cap. 12:00 Lunch. 12:30 Back to work. Continued placing soil. 2:15 Terracon arrived to take densities. All passing. Took 3 more shelby tubes. 5:00 Terracon left site. Fueling and greasing. 5:30 Left site. 110 loads of soil = 1,540cy. 2 loads of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: Lenny D. Nelson CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/16/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	DPW				y	10.0
Carlos Garcia	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.0
Chris Mangrum	DPW				y	10.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
Site Truck	Huth	10	Personal	
Site Truck	Huth	10	Personal	
320 Excavator	EXC065	10	Owned	
D85 Dozer	DZR046	10	Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON084	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS006	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
84" Compactor	VLP	10	Rental	
2000 gal water truck	Hertz	10	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety meeting. 7:30 Hauling berm soil to backfill area that contaminated soil was excavated on west berm. 10:30 Completed hauling backfill soil. Begin hauling lifts in west pond cap. 12:00 Lunch. 12:30 Back to work. Continued placing lifts. 4:00 Left rear axle on Hertz water truck is leaking from the hub bolts. Tightened bolts. While tightening bolts we broke one with a 10" inches. Called Hertz about fixing it. 5:00 Fueling and greasing. 5:30 Left site. 130 loads of soil to lifts = 1,820cy. 18 loads of soil to backfill contaminated hole = 252cy 1 load of trash.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/17/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 87

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	DPW				y	10.0
Carlos Garcia	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.0
Chris Mangrum	DPW				y	10.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					10.0

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
Site Truck	Huth	10	Personal	
Site Truck	Huth	10	Personal	
320 Excavator	EXC065	10	Owned	
D85 Dozer	DZR046	10	Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON084	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS006	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
84" Compactor	VLP	10	Rental	
2000 gal water truck	Hertz	10	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued placing soil in lifts for cap. 12:00 Lunch. 12:30 Back to work. Continued placing lifts. 1:45 Terracon arrived to take densities and shelby tubes. Took 4 shelby tubes. 4:20 Terracon left site. 5:00 Fueling and greasing. 5:30 Left site. 112 loads of soil = 1,568cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/20/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				n	
Oscar Gonzalez	LR				y	12.0
Steve Hickman	DPW				y	12.0
Carlos Garcia	QC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	DPW				y	12.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 96.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
Site Truck	Huth	12	Personal	
Site Truck	Huth		Personal	
320 Excavator	EXC065	12	Owned	
D85 Dozer	DZR046	12	Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT058	12	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON084	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS006	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
84" Compactor	VLP	12	Rental	
2000 gal water truck	ST172		Owned	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil from berms and placing in lifts. 8:30 Weekly meeting. 9:50 Inland Truck Service out to service DPT070 and DZR046. 12:00 Lunch. 12:30 Back to work. ITP took 1 hr lunch. 4:20 ITP left completing service. 7:00 Fueling and greasing. 7:30 Left site. 123 loads = 1,708cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/21/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				n	
Oscar Gonzalez	LR				y	12.0
Steve Hickman	DPW				y	12.0
Carlos Garcia	QC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	DPW				y	12.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 96.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
Site Truck	Huth	12	Personal	
Site Truck	Huth		Personal	
320 Excavator	EXC065	12	Owned	
D85 Dozer	DZR046	12	Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT058	12	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON084	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS006	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS OR EQUIPMENT:
84" Compactor	VLP	12	Rental	
2000 gal water truck	Hertz		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil and placing in lifts in west pond. 12:00 Lunch. 12:30 Continued working. 2:00 Met with MMH and Young Electric about new power lines. 3:15 Terracon arrived to take densities and shelby tubes. 5:00 Finished 2nd lift. 6:30 Terracon left site. 7:00 Fueling and greasing. 7:30 Left site. 137 loads = 1918cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0529
DATE: 8/22/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				n	
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPR				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.0
Chris Mangrum	OPR				y	10.0
Larry Nelson	CM					
					TOTAL RECON HOURS:	80.0

SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS:	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth		Personal	
360 Excavator	EXC065	10	Owned	
095 Dozer	DZR049	10	Owned	
061 Dozer	DZR046	3	Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS008	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	10	Rental	
2000 gal water truck	Hertz		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling berm soil and placing in lifts in the west pond. 12:00 Lunch. 12:30 Continued working. Placing soil in west pond in lifts and compacting and watering. 5:15 Stopped placing soil due to non passing perms on the first lift. Get with Terracon in the morning and see when we will have the results for the second lift and see what we can do to make the soil more permiable. 5:30 Left site. 123 loads = 1,722cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0529
DATE: 8/23/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 95

PERSONNEL						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.5
Roger Huth	SSO				n	
Oscar Gonzalez	LR				y	8.5
Steve Hickman	OPR				y	8.5
Carlos Garnica	QC				y	8.5
Justino Gonzalez	LR				y	8.5
Nicolas Gonzalez	LR				y	8.5
Enrique Rodriguez	LR				y	8.5
Chris Mangrum	OPR				y	8.5
Larry Nelson	CM					
					TOTAL RECON HOURS:	68.0

SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS:	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8.5	Personal	
Site Truck	Huth		Personal	
360 Excavator	EXC065	1	Owned	
095 Dozer	DZR049		Owned	
061 Dozer	DZR046		Owned	
TA 30	DPT058		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8.5	Owned	
JD Gator	ATV014	8.5	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS008	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
2000 gal water truck	Hertz		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Fueling and greasing equipment. Watering entire lift all day. 8:00 Changing fuel filters in DZR046. One filter was wrong and had to go to Berry Tractor to get another one. 9:00 Installing silt fence on south end of west pond. Excavating electrical line next to MPA sumps. 11:30 Finished uncovering line and found it had broke at the manhole and where it transitions to pvc. 12:00 Lunch. 12:30 Continued placing silt fence. Backfilling cleanout on north side of MPA basin. Put last fuel filter on dozer. 2:30 WCP delivered spring manhole and we unloaded it. 4:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Waiting for perm test results for second lift.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0529
DATE: 8/24/12
DAY OF WEEK: Friday
WEATHER/TEMP: Rainy 87

PERSONNEL						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	5.0
Roger Huth	SSO				n	
Oscar Gonzalez	LR				y	5.0
Steve Hickman	OPR				y	5.0
Carlos Garnica	QC				y	5.0
Justino Gonzalez	LR				y	5.0
Nicolas Gonzalez	LR				y	5.0
Enrique Rodriguez	LR				y	5.0
Chris Mangrum	OPR				y	5.0
Larry Nelson	CM					
					TOTAL RECON HOURS:	40.0

SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					
					TOTAL HOURS:	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	5	Personal	
Site Truck	Huth		Personal	
360 Excavator	EXC065	3	Owned	
095 Dozer	DZR049		Owned	
061 Dozer	DZR046		Owned	
TA 30	DPT058		Owned	
TA 30	DPT070	1	Owned	
20' Conex	CON054	5	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	5	Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS008		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
2000 gal water truck	Hertz		Rental	
20' Conex	Mobmini	5	Rental	
40' Office	Mobmini	5	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Constructing berm by outfall 001x1. 8:30 Alimetal arrived to pick up rail and scrap. 10:30 Met w/ Young Electric about electrical line at mpa sump. Will get us a price to repair. 11:00 Removed plates on side of offroad to get welded back up so we can put the tailgate on. 12:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-0529
DATE: 8/27/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 90

PERSONNEL						
EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Carlos Garnica	QC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				y	12.0
Larry Nelson	CM					
					TOTAL RECON HOURS:	108.0

SUBCONTRACTORS & VISITORS						
EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS:	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
360 Excavator	EXC065	8	Owned	
095 Dozer	DZR049		Owned	
061 Dozer	DZR046		Owned	
TA 30	DPT058		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS008	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
2000 gal water truck	87173	12	Owned	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Excavating electrical trench at mpa sumps. Watering lifts. Washing radiators on all equipment. 9:30 Weekly meeting. 10:30 Completed excavating electrical trench. 11:00 Begin working on MPA spring sump installation. 12:00 Lunch. 12:30 Excavate for manhole. Found bedrock and concrete around 4' below grade. Excavated the weathered rock off and excavated the laterals. 3:30 Cornejo Materials delivered 27.69 tons of 2" RR ballast and 97.44 tons of road base. 4:30 Set first manhole section. 5:00 The pipe for the laterals was not slotted and will have to get proper pipe. 5:45 VLP delivered 36" bucket for 360. 6:00 Changing out bucket. 7:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

27.69 tons of 2" rr ballast and 97.44 tons of road base.

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/28/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 96

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LH				y	12.0
Steve Hickman	OPR				y	12.0
Carlos Garcia	QC				y	12.0
Justino Gonzalez	LH				y	12.0
Nicolas Gonzalez	LH				y	12.0
Enrique Rodriguez	LH				y	12.0
Chris Mangrum	OPR				y	12.0
Larry Nelson	CM					
					TOTAL RECON HOURS	108.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
305 Excavator	EXC085	12	Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
34" Compactor	VLP		Rental	
2000 gal water truck	Hertz	12	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Layout 6" line from mpa sump to mpa channel. 8:30 Excavating trench for 6" line. Watering lifts. 12:00 Lunch. Received hdpe welder. 12:30 Continued excavating ditch. Unhooking batteries on DZR046 to replace bad batteries. 1:30 Completed excavating trench. HDPE welder had broken switch on it when we unpacked it. Replaced switch. 2:30 Begin welding hdpe pipe. 4:30 Replace horns on exc085. 5:30 Begin 100' property line trench. 7:00 Finshed property line trench. Left open per Stuart. Found 2 small lines and one small slab. Water truck broke down. 7:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/29/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LH				y	10.0
Steve Hickman	OPR				y	10.0
Carlos Garcia	QC				y	10.0
Justino Gonzalez	LH				y	10.0
Nicolas Gonzalez	LH				y	10.0
Enrique Rodriguez	LH				y	10.0
Chris Mangrum	OPR				y	10.0
Larry Nelson	CM					
					TOTAL RECON HOURS	90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0
Tim Meade	RECON					
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
305 Excavator	EXC085	10	Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT056	1	Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
34" Compactor	VLP		Rental	
2000 gal water truck	Hertz	10	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued manhole install. Installing holes, brakets, and hdpe sheet in manhole. Watering lifts. 8:30 Load out manhole lid because WCP sent wrong one. Sent water truck on wrecker to shop because we couldn't get it to start. 12:00 Lunch. 12:30 Continued working on manhole. 2:30 Begin perforating laterals. 4:45 Bedding in 6" line. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/30/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LH				y	10.0
Steve Hickman	OPR				y	10.0
Carlos Garcia	QC				y	10.0
Justino Gonzalez	LH				y	10.0
Nicolas Gonzalez	LH				y	10.0
Enrique Rodriguez	LH				y	10.0
Chris Mangrum	OPR				y	10.0
Larry Nelson	CM					
					TOTAL RECON HOURS	90.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0
Tim Meade	RECON					
					TOTAL HOURS	10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
305 Excavator	EXC085	10	Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR046	4	Owned	
TA 30	DPT056		Owned	
TA 30	DPT070	4	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
34" Compactor	VLP		Rental	
2000 gal water truck	Hertz	10	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued manhole installation. Backfilling Laterals and main line. Set rest of manhole still waiting on the lid. 12:00 Lunch. 12:30 Back to work. Contiued backfilling. Installing flange on channel end of pipe. 4:15 Backfilling Pester trench. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/31/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	3.0
Roger Huth	SSO				y	3.0
Oscar Gonzalez	LH				y	3.0
Steve Hickman	OPR				y	
Carlos Garcia	QC				y	3.0
Justino Gonzalez	LH				y	3.0
Nicolas Gonzalez	LH				y	3.0
Enrique Rodriguez	LH				y	
Chris Mangrum	OPR				y	
Larry Nelson	CM					
					TOTAL RECON HOURS	18.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	3	Personal	
Site Truck	Huth	3	Personal	
305 Excavator	EXC085	2	Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054		Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH018		Owned	
Grease Skid	GRS009		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
34" Compactor	VLP		Rental	
2000 gal water truck	Hertz		Rental	
20' Conex	Mobmini		Rental	
40' Office	Mobmini		Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Prep for lid. 7:45 Set lid. 8:30 Change bucket on exc085. Grease bucket. 10:00 Left site. Enrique drove to Pharr, TX. Chris drove to Ashland City, TN. Steve drove to Hemphill, TX. Oscar drove to Dallas, TX. Justino drove to Dallas, TX. Nicolas, Carlos, and Jon flew home. Roger stayed.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 9/5/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Carlos Garnica	QC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				n	
Larry Nelson	CM					
				TOTAL RECON HOURS		96.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC060	4	Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR048	4	Owned	
TA 30	DPT058	4	Owned	
TA 30	DPT070	4	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP	4	Rental	
2700 gal water truck	Hertz		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Clean out conex and office. 8:00 Form up for split pad. 9:30 Weekly meeting. Too wet to build road to mpa spring manhole. 11:00 Begin working on 2" guage pipe in manhole. 12:00 Lunch. 12:30 Continued working on manhole. 2:00 Cement arrived for splash pad. 2:30 Finished up manhole. 3:30 Begin hauling soil into lifts for third lift. 7:00 Fueling and greasing. 7:30 Left site. 39 loads of soil = 546cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 9/6/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.5
Steve Hickman	OPR				y	12.5
Carlos Garnica	QC				y	12.5
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				n	
Larry Nelson	CM					
				TOTAL RECON HOURS		98.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC060	10.5	Owned	
D65 Dozer	DZR049	1.5	Owned	
D61 Dozer	DZR048	12.5	Owned	
TA 30	DPT058	10.5	Owned	
TA 30	DPT070	10.5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP	12	Rental	
2700 gal water truck	Hertz	12	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley	4	Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water from stage 3. Staking out area on middle berm. 8:30 Begin hauling soil into lifts. 12:00 Lunch. 12:30 Continued hauling soil. 3:10 3700 gal water truck arrived. 6:00 Stopped hauling. Start preping site for rain. 70% to 80% chance overnight and tomorrow. Smoothing everything up and creating diversion dike and installing some silt fence. 7:15 Fueling and greasing. 8:00 Left site. 97 loads of soil = 1,358 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 9/7/12
DAY OF WEEK: Friday
WEATHER/TEMP: Rainy 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Roger Huth	SSO				y	8.0
Oscar Gonzalez	LR				y	8.0
Steve Hickman	OPR				y	8.0
Carlos Garnica	QC				y	8.0
Justino Gonzalez	LR				y	8.0
Nicolas Gonzalez	LR				y	8.0
Enrique Rodriguez	LR				y	8.0
Chris Mangrum	OPR				n	
Larry Nelson	CM					
				TOTAL RECON HOURS		64.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Huth	8	Personal	
350 Excavator	EXC060	8	Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR048	8	Owned	
TA 30	DPT058	8	Owned	
TA 30	DPT070	8	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP	8	Rental	
2700 gal water truck	Hertz	8	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling soil in lifts to west pond. Excavating west side of stage 2. 12:00 Lunch. 12:30 Back to work. 1:30 Lightning shut down. 2:30 Back to work. 3:00 Lightning again. 3:30 Left site. 29 loads = 435 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Lightning.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 9/10/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 91

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Carlos Garnica	QC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		108.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC060	12	Owned	
D65 Dozer	DZR049	12	Owned	
D61 Dozer	DZR048	8	Owned	
TA 30	DPT058	8	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP	12	Rental	
3700 gal water truck	87172	12	Owned	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling and placing soil in lifts in west pond. Preping soil for densities. 9:30 Weekly meeting. 12:00 Lunch. 12:30 Back to work. Contiued hauling soil and preping for densities. 2:00 Terracon arrived. Soil still to dry. Adding water and retest. 6:15 Terracon left site. No passing tests. 7:00 Fueling and greasing. 7:30 Left site. 103 loads of soil = 1,442cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/11/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.5
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.5
Carlos Garcia	GC				y	12.5
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangum	OPR				y	12.5
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 110.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12.5	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC350	12.5	Owned	
D6 Dozer	DZR049	12.5	Owned	
D61 Dozer	DZR048	12	Owned	
TA 20	DPT006	12	Owned	
TA 30	DPT070	12	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010	5	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	12	Rental	
3700 gal water truck	Hertz	12	Rental	
20' Cones	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil and placing in west pond. Ripping, working water, and compacting for densities. 10:00 Terracon called and said they couldn't be here at 10:00 and that they would be here between 3 and 4. 12:00 Lunch. Mobilmini out to work on door. 12:30 Back to work. 1:00 Roger and Enrique left to take physicals. 4:20 Terracon arrived to take shelby tubes and densities. Passing densities. 7:00 Fueling and greasing. 8:00 Left site and Terracon left site. 142 loads = 1,989cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/12/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	5.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Carlos Garcia	GC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangum	OPR				y	12.0
Richard Curtis	OPR					
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 101.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	5	Personal	
350 Excavator	EXC350	12	Owned	
D6 Dozer	DZR049	12	Owned	
D61 Dozer	DZR048	12	Owned	
TA 20	DPT006	5	Owned	
TA 30	DPT070	12	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010	4	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	7	Rental	
3700 gal water truck	Hertz	12	Rental	
20' Canes	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley	1	Rental	
2" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil. Compacting and watering soil for densities. 12:00 Lunch. 12:30 Back to work. 1:00 Terracon arrived to take densities and shelby tubes. All passing densities. 2:30 Compactor broke down. 7:00 Fueling and greasing. 7:30 Left site. 106 loads = 1,484cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/13/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Rainy 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Roger Huth	SSO				y	9.0
Oscar Gonzalez	LR				y	9.0
Steve Hickman	OPR				y	9.0
Carlos Garcia	GC				y	9.0
Justino Gonzalez	LR				y	9.0
Nicolas Gonzalez	LR				y	9.0
Enrique Rodriguez	LR				y	9.0
Chris Mangum	OPR				y	9.0
Richard Curtis	OPR					
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 81.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9	Personal	
Site Truck	Huth	9	Personal	
350 Excavator	EXC350	9	Owned	
D6 Dozer	DZR049	9	Owned	
D61 Dozer	DZR048	9	Owned	
TA 30	DPT006	9	Owned	
TA 20	DPT070	9	Owned	
20' Canes	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
3700 gal water truck	Hertz	8	Rental	
20' Canes	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil. Compacting, watering, and rolling soil to prepare for densities. 11:10 VLP arrived to fix compactor. 12:00 Lunch. 12:30 Back to work. 1:00 Begin raining. 2:30 VLP finished roller repairs. 4:30 Left site. Raining. 81 loads = 1,134 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

Raining.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/14/12
DAY OF WEEK: Friday
WEATHER/TEMP: Rainy 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	2.0
Roger Huth	SSO				y	2.0
Oscar Gonzalez	LR				y	2.0
Steve Hickman	OPR				y	2.0
Carlos Garcia	GC				y	8.0
Justino Gonzalez	LR				y	2.0
Nicolas Gonzalez	LR				y	2.0
Enrique Rodriguez	LR				y	2.0
Chris Mangum	OPR				y	2.0
Richard Curtis	OPR				y	12.0
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

TOTAL RECON HOURS: 33.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	2	Personal	
Site Truck	Huth	2	Personal	
350 Excavator	EXC350		Owned	
D6 Dozer	DZR049		Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT006		Owned	
TA 30	DPT070		Owned	
20' Canes	CON054		Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS009		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
3700 gal water truck	Hertz		Rental	
20' Canes	Mobmini		Rental	
40' Office	Mobmini		Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	87172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting and safety questions. 8:00 Left site; heavy rains VLP arrived to work on compactor more. Carlos stayed with him. 12:00 Left site. Richard began his mobe in from 3109 CR 421, Lake Panasoffkee, FL 33538.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

1" of rain.

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/17/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 83

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Roger Huth	SSO				y	10.0
Oscar Gonzalez	LB				y	10.0
Steve Holman	OPR				y	10.0
Carlos Garnica	QC				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Enrique Rodriguez	LB				n	
Chris Mangrum	OPR				y	10.0
Richard Cortiz	OPR				y	10.0
Larry Nelson	CM					
				TOTAL RECON HOURS		80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth	10	Personal	
350 Excavator	EXC065	8	Owned	
D65 Dozer	DZR040	10	Owned	
D61 Dozer	DZR046	8	Owned	
TA 30	DPT058	1.5	Owned	
TA 30	DPT070	1.5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	2	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP	8	Rental	
3700 gal water truck	BT172		Owned	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F350 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Pumping water and grading roads to begin hauling. 10:30 Begin hauling soil. 12:00 Lunch. 12:30 Continued hauling soil and placing in lifts. 1:30 Finished hauling soil on cap. 1:45 Terracon arrived to take shelby tubes and densities. All densities passed. 3:00 Smoothing up top of cap and areas in stage 3. 8:00 Fueling and greasing. 8:30 Left site. 22 loads = 308cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/18/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LB				y	12.0
Steve Holman	OPR				y	12.0
Carlos Garnica	QC				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Enrique Rodriguez	LB				n	
Chris Mangrum	OPR				y	12.0
Richard Cortiz	OPR				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		108.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC065	12	Owned	
D65 Dozer	DZR040	12	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	11	Owned	
TA 30	DPT070	11	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	11	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
3700 gal water truck	Hertz		Rental	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F350 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 Surveyors arrived to topo west pond. Begin hauling topsoil and stockpiling. Watering roads. 11:00 Surveyor left. 12:00 Lunch. 12:30 Back to work. 2' of clay on all of the cap. A, B, and C perms are ok. Stopped stockpiling and started spreading soil in those areas. 7:00 Fueling and greasing. 7:30 Left site. 120 loads = 1,694 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/19/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LB				y	12.0
Steve Holman	OPR				y	12.0
Carlos Garnica	QC				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Enrique Rodriguez	LB				y	
Chris Mangrum	OPR				y	12.0
Richard Cortiz	OPR				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		108.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC065	12	Owned	
D65 Dozer	DZR040	12	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	12	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
3700 gal water truck	Hertz		Rental	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley	8	Rental	
3" Water Pump	Foley		Rental	
F350 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Clean up trash around fuel tank and equipment cabs. 8:30 Begin hauling topsoil onto west pond. Watering roads. 11:00 Grading slopes in stage 3 wetlands. 12:00 Lunch. 12:30 Back to work. Working on slopes in stage 3 and hauling topsoil onto west pond. 7:00 Fueling and greasing. 7:30 Left site. 115 loads = 1,610 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 9/20/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 82

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Roger Huth	SSO				y	12.0
Oscar Gonzalez	LB				y	12.0
Steve Holman	OPR				y	12.0
Carlos Garnica	QC				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Enrique Rodriguez	LB				y	12.0
Chris Mangrum	OPR				y	12.0
Richard Cortiz	OPR				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC065	12	Owned	
D65 Dozer	DZR040	12	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	12	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
3700 gal water truck	Hertz		Rental	
20' Conex	Mobilmini	8	Rental	
40' Office	Mobilmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F350 Truck	BT172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling topsoil onto west pond. Watering roads. Grading slopes on stage 3. 12:00 Lunch. 12:30 Back to work. Continued hauling topsoil and grading slopes. 7:00 Fueling and greasing. 7:30 Left site. 131 loads = 1,834cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: | CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/21/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 87

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.0
Roger Huth	SSO				y	
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPS				y	10.0
Carlos Garcia	QC				y	10.0
Justino Gonzalez	LR				x	10.0
Nicolas Gonzalez	LR				y	10.0
Enrique Rodriguez	LR				y	10.0
Chris Mangum	OPS				y	10.0
Richard Cortez	OPS				x	10.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 80.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Huth		Personal	
350 Excavator	EXC350	10	Owned	
D65 Dozer	DZR049	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT026	10	Owned	
TA 35	DPT070	10	Owned	
20' Curtain	CGN004	8	Owned	
2000 Gal Water Truck	WTK010	10	Owned	
JD Gator	ATV014	8	Owned	
210 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	2	Rental	
2700 gal water truck	Haig		Rental	
20' Conex	Mulvern	8	Rental	
40' Office	Mulvern	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	07172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling topsoil onto west pond. Working on slopes in stage 3. 12:00 Lunch. 12:30 Back to work. Continued hauling topsoil and grading slopes. 6:00 Fueling and greasing. 6:30 Left site. 82 loads = 1,269cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/24/12
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 90

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Roger Huth	SSO				n	8.0
Oscar Gonzalez	LR				y	12.0
Steve Holzman	OPS				y	12.0
Carlos Garcia	QC				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangum	OPS				y	12.0
Richard Cortez	OPS				y	12.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 116.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Huth	12	Personal	
350 Excavator	EXC350	12	Owned	
D65 Dozer	DZR049	12	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT026	12	Owned	
TA 35	DPT070	12	Owned	
20' Conex	CGN004	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
210 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
	07172		Owned	
20' Conex	Mulvern	8	Rental	
40' Office	Mulvern	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	07172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin removing 6" of soil in stage 3. Working on slopes in stage 3. 9:30 Weekly meeting. 10:30 Young Electric onsite to replace electrical at mpa sumpx. 12:00 Lunch. 12:30 back to work. Continued working on stage 3. 4:15 Young Electric finished for the day. 7:00 Fueling and greasing. 7:30 Left site. 105cy = 1,475cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/25/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 72

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	10.5
Roger Huth	SSO				n	8.0
Oscar Gonzalez	LR				y	10.5
Steve Holzman	OPS				y	10.5
Carlos Garcia	QC				y	10.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				y	10.5
Enrique Rodriguez	LR				y	10.5
Chris Mangum	OPS				y	10.5
Richard Cortez	OPS				y	10.5
Lenny Nelson	CM					

TOTAL RECON HOURS: 102.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Huth		Personal	
350 Excavator	EXC350	10.5	Owned	
D65 Dozer	DZR049	10.5	Owned	
D61 Dozer	DZR046	10.5	Owned	
TA 30	DPT026	10.5	Owned	
TA 35	DPT070	10.5	Owned	
20' Conex	CGN004	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
JD Gator	ATV014	8	Owned	
210 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	2	Rental	
20' Conex	Mulvern	8	Rental	
40' Office	Mulvern	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	07172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Removing 6" of soil in stage 3. Spreading topsoil on cap. 9:00 Ripped and reworked area in area F for failing perm. 9:30 Young Electric onsite to finish repairs on mpa sump. 12:00 Lunch. 12:30 back to work. Continued working on stage 3 and spreading topsoil. 2:30 Young Electric finished. 3:00 Backfilled trench. 5:45 Lightning shut down. 6:00 Left site. 74 loads = 1,038cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 8/26/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 95

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	2.0
Roger Huth	SSO				n	8.0
Oscar Gonzalez	LR				y	2.0
Steve Holzman	OPS				y	2.0
Carlos Garcia	QC				y	
Justino Gonzalez	LR				y	2.0
Nicolas Gonzalez	LR				y	2.0
Enrique Rodriguez	LR				y	2.0
Chris Mangum	OPS				y	2.0
Richard Cortez	OPS				y	2.0
Lenny Nelson	CM					

TOTAL RECON HOURS: 24.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	2	Personal	
Site Truck	Huth		Personal	
350 Excavator	EXC350		Owned	
D65 Dozer	DZR049		Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT026		Owned	
TA 35	DPT070		Owned	
20' Conex	CGN004		Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014		Owned	
210 Backhoe	BKH016		Owned	
Grease Skid	GRS009		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
20' Conex	Mulvern		Rental	
40' Office	Mulvern		Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	07172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. Wet and rainy. 9:00 Left site. Carlos drove to San Antonio. Justino drove to Dallas. Oscar drove to Dallas. Steve drove to Hemphill. Chris drove to Ashland City TN.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 10/1/12
DAY OF WEEK: Monday
WEATHER/TEMP: Cloudy 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Richard Curtis	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	
Chris Mangrum	OPR				y	
Aristeo Enriquez Jr	LR				n	
Aristeo Enriquez Sr	OPR				n	
Larry Nelson	CM					
				TOTAL RECON HOURS		95.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	12	Personal	
350 Excavator	EXC085	8	Owned	
D85 Dozer	DZR049	8	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
Cat 730	Warren		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued grading stage 3 to prepare for clay. Hauling soil onto west pond cap. 12:00 Lunch. 12:30 Back to work. Continued working on stage 3. 1:30 Midwest Electric installed and tested blower on stage 2. 5:30 Finished subgrade in stage 3 and continued grading on cap. 7:00 Fueling and greasing. 7:30 Left site. 26 loads = 364cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 10/2/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 75

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Richard Curtis	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				y	12.0
Aristeo Enriquez Jr	LR				y	12.0
Aristeo Enriquez Sr	OPR				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		133.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
350 Excavator	EXC085	12	Owned	
D85 Dozer	DZR049	12	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	12	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
Cat 730	Warren	8	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin hauling soil from south tank farm to stage 3 for 6" of clay in the bottom. Watering roads. 9:00 Rented signs from Road Safe for crossing the county road. 12:00 Lunch. 12:15 Warren cat delivered 30 ton off road. 12:30 Back to work. Contiued hauling soil from tank farm. 7:00 Fueling and greasing. 7:30 Left site. 83 loads = 1,162cy. Aristeo Enriquez Jr. and Aristeo Enriquez Sr. mobed in from 5343 Allen Genoa Rd. Houston, TX. Aristeo Sr. gets the mileage.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 10/3/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Richard Curtis	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				y	12.0
Aristeo Enriquez Jr	LR				y	11.0
Aristeo Enriquez Sr	OPR				y	11.0
Larry Nelson	CM					
				TOTAL RECON HOURS		131.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
350 Excavator	EXC085	12	Owned	
D85 Dozer	DZR049	12	Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	12	Owned	
TA 20	DPT070	12	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
Cat 730	Warren	12	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Contiued hauling soil from south tank farm to replace 6" in bottom of stage 3. Watering roads. 8:00 Art and his son arrived. Begin site orientation. 12:00 Lunch. 12:30 Back to work. Continued topsoil installation in bottom of stage 3. 2:00 Finished 6" clay in bottom of stage 3. Begin stock piling for benches in stage 3. 7:00 Fueling and greasing. 7:30 Left site. 40 loads into stage 3 = 560cy. 62 loads stockpiled = 868cy. Chris demobed to Ashland City, TN.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 10/4/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	12.0
Oscar Gonzalez	LR				y	12.0
Steve Hickman	OPR				y	12.0
Richard Curtis	OPR				y	12.0
Justino Gonzalez	LR				y	12.0
Nicolas Gonzalez	LR				y	12.0
Enrique Rodriguez	LR				y	12.0
Chris Mangrum	OPR				y	5.0
Aristeo Enriquez Jr	LR				y	12.0
Aristeo Enriquez Sr	OPR				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		125.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	12	Personal	
350 Excavator	EXC085	12	Owned	
D85 Dozer	DZR049		Owned	
D61 Dozer	DZR046	12	Owned	
TA 30	DPT058	3	Owned	
TA 30	DPT070	3	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	3	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
54" Compactor	VLP		Rental	
Cat 730	Warren	1	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
3" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
3" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin spreading bentonite in stage 3 that was staged on the decon pad. Grading cap. 12:00 Lunch 12:30 Back to work. Continued spreading bentonite. Begin hauling soil from STF and stockpiling for stage 3. 4:30 Soil stabilizer arrived from Volvo rents. 5:30 Begin mixing in bentonite. 7:00 Fueling and greasing. 7:30 Left site. 30 loads = 420cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 10/5/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	12.0
Oscar Gonzalez	LW				y	12.0
Steve Holeman	OPM				y	12.0
Richard Curdy	OPM				y	12.0
Justino Gonzalez	LW				y	12.0
Nicolas Gonzalez	LW				y	12.0
Enrique Rodriguez	LW				y	12.0
Chris Mangum	OPM				n	
Andres Enriquez Jr	LW				y	12.0
Andres Enriquez Sr	OPM				y	12.0
Larry Nelson	CM					

TOTAL RECON HOURS: 120.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	12	Personal	
980 Excavator	EXC980	12	Owned	
D6 Dozer	D2D049		Owned	
D61 Dozer	D2D048	12	Owned	
TA 30	DPT009	8	Owned	
TA 30	DPT070	8	Owned	
20' Conex	CON004	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
ID Gator	ATV014	8	Owned	
210 Backhoe	BKH015	8	Owned	
Grease Sled	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
Cat 730	Warren	8	Rental	
20' Conex	Midmark	8	Rental	
40' Office	Midmark	8	Rental	
2" Water Pump	Foley		Rental	
4" Water Pump	Foley		Rental	
2" Water Pump	Foley		Rental	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. Volvo arrived with skid steer. 7:30 Hauling soil from STP to stockpile in stage 3. Grading cap and in the pit. 11:25 Bentonite truck arrived. 12:15 Finished unloading first truck. Lunch. 12:30 Volvo arrived with tiller attachment. 12:45 Back to work. Spreading bentonite in stage 3. 2:00 Continued mixing in stage 3 with Bomag and skid steer. 3:00 Finished spreading bentonite from truck and begin loading out rock from entrance to AHA area and stockpiling. 4:30 Second bentonite truck arrived. 5:35 Finished unloading truck. Spreading bentonite. 6:04 Third bentonite truck arrived. Mixing in stage 3 . 7:10 Finished unloading truck. 7:30 Left site. 32 loads = 448cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 10/8/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 62

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LW				y	12.0
Steve Holeman	OPM				y	12.0
Richard Curdy	OPM				y	12.0
Justino Gonzalez	LW				y	12.0
Nicolas Gonzalez	LW				y	12.0
Andres Enriquez Jr	LW				y	12.0
Andres Enriquez Sr	OPM				y	12.0
Larry Nelson	CM					

TOTAL RECON HOURS: 106.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
980 Excavator	EXC980	12	Owned	
D6 Dozer	D2D049		Owned	
D61 Dozer	D2D048	8	Owned	
TA 30	DPT009	8	Owned	
TA 30	DPT070	8	Owned	
20' Conex	CON004	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
ID Gator	ATV014	8	Owned	
210 Backhoe	BKH015	8	Owned	
Grease Sled	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
Cat 730	Warren		Rental	
20' Conex	Midmark	8	Rental	
40' Office	Midmark	8	Rental	
4" Water Pump	2-3529		Owned	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued spreading bentonite in stage 3. 8:30 Weekly meeting. 12:00 Lunch. 12:30 Continued spreading bentonite. 1:30 Completed spreading bentonite and started mixing. Surveyors onsite to work on cap. Begin stockpiling soil for benches. 5:00 Surveyors left, will return Wednesday. 5:00 Finished mixing bentonite. Fueled up skid steer and mixer to get off rent. 7:00 Fueling and greasing. 7:30 Left site. 29 loads = 406cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 10/9/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Cloudy 68

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LW				y	12.0
Steve Holeman	OPM				y	12.0
Richard Curdy	OPM				y	12.0
Justino Gonzalez	LW				y	12.0
Nicolas Gonzalez	LW				y	5.0
Andres Enriquez Jr	LW				y	12.0
Andres Enriquez Sr	OPM				y	12.0
Larry Nelson	CM					

TOTAL RECON HOURS: 102.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
980 Excavator	EXC980	4	Owned	
D6 Dozer	D2D049		Owned	
D61 Dozer	D2D048	12	Owned	
TA 30	DPT009	4	Owned	
TA 30	DPT070	4	Owned	
20' Conex	CON004	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
ID Gator	ATV014	8	Owned	
210 Backhoe	BKH015	8	Owned	
Grease Sled	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	12	Rental	
Cat 730	Warren	4	Rental	
20' Conex	Midmark	8	Rental	
40' Office	Midmark	8	Rental	
4" Water Pump	2-3529		Owned	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil from STP to stockpile for stage 3. Watering and compacting in stage 3. 11:00 Excavator began overheating. Cleaned radiator and it is still doing it. VLP will be onsite tomorrow. 12:00 Lunch. 12:30 Continued watering and compacting in stage 3. Begin using backhoe to construct road to mpa sump. Replacing fence in AHA. 7:00 Fueling and greasing. 7:30 Left site. 24 loads of soil = 336cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-0529
DATE: 10/10/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 70

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jim Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LW				y	12.0
Steve Holeman	OPM				y	12.0
Richard Curdy	OPM				y	12.0
Justino Gonzalez	LW				y	12.0
Nicolas Gonzalez	LW				y	
Andres Enriquez Jr	LW				y	12.0
Andres Enriquez Sr	OPM				y	12.0
Larry Nelson	CM					

TOTAL RECON HOURS: 97.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
980 Excavator	EXC980	8	Owned	
D6R Dozer	D2D049		Owned	
D61 Dozer	D2D048	10	Owned	
TA 30	DPT009		Owned	
TA 30	DPT070		Owned	
20' Conex	CON004	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
ID Gator	ATV014	8	Owned	
210 Backhoe	BKH015	8	Owned	
Grease Sled	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP		Rental	
Cat 730	Warren		Rental	
20' Conex	Midmark	8	Rental	
40' Office	Midmark	8	Rental	
4" Water Pump	2-3529		Owned	
F250 Truck	ST172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Finishing up gravel road at mpa spring sump. Grading stage 3 pond to prepare for benches. VLP working on EXC085 and found bad thermostat. Went back to get one in Wichita. 12:00 Lunch. 12:30 Watering stage 3 to get densities and moistures. Sealing weirgate in HC985. 5:00 Terracon arrived to check density and moisture. Soil still too dry. 5:00 Finished sealing HC985. Begin mixing water into soil. 7:00 Fueling and greasing. 7:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 10/11/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 77

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LB				y	12.0
Steve Hickman	OP3				y	12.0
Richard Cuntz	OP3				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Anales Enriquez Jr	LB				y	12.0
Anales Enriquez Sr	OP3				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		109.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
360 Excavator	EXC060	12	Owned	
D65 Dozer	DZR049	12	Owned	
D61 Dozer	DZR048		Owned	
TA 30	DPT056	8	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	12	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	3	Rental	
Cat 730	Warren	6	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3528		Owned	
F250 Truck	97172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Ripping, mixing, and watering, soil in stage 3. Adding soil around HCS#5. 9:00 Begin stockpiling soil. 12:00 Lunch. 12:30 Continued stockpiling soil and conditioning soil in stage 3. 7:00 Fueling and greasing. 7:30 Left site. 53 loads of soil = 742cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 10/12/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Carlos Garnica	SSO				y	8.0
Oscar Gonzalez	LB				y	8.0
Steve Hickman	OP3				y	8.0
Richard Cuntz	OP3				y	8.0
Justino Gonzalez	LB				y	8.0
Nicolas Gonzalez	LB				y	8.0
Anales Enriquez Jr	LB				y	8.0
Anales Enriquez Sr	OP3				y	8.0
Larry Nelson	CM					
				TOTAL RECON HOURS		72.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Garnica	8	Personal	
360 Excavator	EXC060	5	Owned	
D65 Dozer	DZR049	8	Owned	
D61 Dozer	DZR048	8	Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	2	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
84" Compactor	VLP	2	Rental	
Cat 730	Warren		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3528		Owned	
F250 Truck	97172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Mixing, watering, and compacting in stage 3 to prepare for lab. Clearing off another berm in STF for more soil. 9:00 Terracon arrived to take desinties. All passing tests. 10:00 Lightning shut down. 11:00 Back to work. Finshing cleaning another berm in STF. laying out benches in stage 3. 12:15 Lunch. 12:45 Back to work. Cleaning compaction and soil stabilizer. Pushing soil into benches. Grading bottom of stage 3. 2:45 Lighting shutdown. 3:30 left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 10/15/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LB				y	12.0
Steve Hickman	OP3				y	12.0
Richard Cuntz	OP3				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Anales Enriquez Jr	LB				y	12.0
Anales Enriquez Sr	OP3				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		109.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
360 Excavator	EXC060	8	Owned	
D65 Dozer	DZR049	12	Owned	
D61 Dozer	DZR048	12	Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Cat 730	Warren		Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3528		Owned	
F250 Truck	97172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

2 1/4" of rain over the weekend causing the site to be wet. 7:00 Safety meeting. 7:30 Pumping water out of stage 3 and into stage 2. Cleaning mixer and compactor. Pushing soil into benches. 9:30 Weekly meeting. 12:00 Lunch. 12:30 Continued pumping water and installing benches. 7:00 Fueling and greasing. 7:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3528
DATE: 10/16/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	12.0
Carlos Garnica	SSO				y	13.0
Oscar Gonzalez	LB				y	12.0
Steve Hickman	OP3				y	12.0
Richard Cuntz	OP3				y	12.0
Justino Gonzalez	LB				y	12.0
Nicolas Gonzalez	LB				y	12.0
Anales Enriquez Jr	LB				y	12.0
Anales Enriquez Sr	OP3				y	12.0
Larry Nelson	CM					
				TOTAL RECON HOURS		109.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
					TOTAL HOURS	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	12	Personal	
Site Truck	Garnica	13	Personal	
360 Excavator	EXC060	12	Owned	
D65 Dozer	DZR049	12	Owned	
D61 Dozer	DZR048	12	Owned	
TA 30	DPT056	12	Owned	
TA 30	DPT070	12	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Cat 730	Warren	12	Rental	
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3528		Owned	
F250 Truck	97172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Hauling soil into stage 3. Grading benches in stage 3. Oscar went to take physical. Spreading stockpiled soil into stage 3. 10:00 Finished hauling soil into stage 3. Begin hauling soil onto cap. Grading benches. 12:00 Lunch. 12:30 Back to work. Continued hauling on the cap. Grading benches. 7:00 Fueling and greasing. 7:30 Left site. 105 loads on the cap = 1,470cy. 14 loads into stage 3 = 196cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 10/1/2012
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Carlos Garcia	SSO				y	12.5
Oscar Gonzalez	LR				y	11.5
Steve Holzman	OPII				y	11.5
Richard Cundy	OPII				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				y	11.5
Alonso Enriquez Jr	LR				y	11.5
Andres Enriquez Sr	OPII				y	11.5
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 104.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Carlos	12.5	Personal	
350 Excavator	EX0350	11.5	Owned	
D6G Dozer	DZR049	11.5	Owned	
D6T Dozer	DZR046	11.5	Owned	
TA 30	DPT056	11.5	Owned	
TA 30	DPT070	11.5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
3D Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Cat 730	Warren	11.5	Rental	
20' Conex	Midmac	8	Rental	
40' Office	Midmac	8	Rental	
4" Water Pump	3-3529		Owned	
F250 Truck	831172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Clearing another berm at the tank farm. Hauling soil onto the cap from STF. 10:30 Finished clearing off berm in STF. Continued grading benches in stage 3. 12:00 Lunch. 12:30 Continued working. Hauling soil onto cap. Grading benches in stage 3. 5:30 Finished grading benches and ready for topsoil. Grading water areas in stage 3. 6:30 Fueling and greasing. 7:00 Left site. 94 loads to the cap = 1,176cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 10/1/2012
DAY OF WEEK: Thursday
WEATHER/TEMP: Windy 67

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.5
Carlos Garcia	SSO				y	12.5
Oscar Gonzalez	LR				y	11.5
Steve Holzman	OPII				y	11.5
Richard Cundy	OPII				y	11.5
Justino Gonzalez	LR				y	11.5
Nicolas Gonzalez	LR				n	
Alonso Enriquez Jr	LR				y	11.5
Andres Enriquez Sr	OPII				y	11.5
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 83.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	11.5	Personal	
Site Truck	Carlos	12.5	Personal	
350 Excavator	EX0350	11.5	Owned	
D6G Dozer	DZR049	8	Owned	
D6T Dozer	DZR046	11.5	Owned	
TA 30	DPT056	11.5	Owned	
TA 30	DPT070	11.5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
3D Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Cat 730	Warren	8	Rental	
20' Conex	Midmac	8	Rental	
40' Office	Midmac	8	Rental	
4" Water Pump	3-3529		Owned	
F250 Truck	831172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued hauling soil onto cap. Grading water areas in stage 3. Ready for topsoil. 12:00 Lunch. 12:30 Continued hauling soil onto cap. Carlos and Steve went to take drug tests. 6:30 Stopped hauling soil onto cap. Cleaning dozer DZR049. 6:30 Fueling and greasing. 7:00 Left site. 63 loads = 888cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 10/2/2012
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 55

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Carlos Garcia	SSO				y	11.5
Oscar Gonzalez	LR				y	10.5
Steve Holzman	OPII				y	10.5
Richard Cundy	OPII				y	13.5
Justino Gonzalez	LR				y	10.5
Nicolas Gonzalez	LR				n	
Alonso Enriquez Jr	LR				y	10.5
Andres Enriquez Sr	OPII				y	10.5
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

TOTAL RECON HOURS: 87.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Carlos	11.5	Personal	
350 Excavator	EX0350	8	Owned	
D6G Dozer	DZR049		Owned	
D6T Dozer	DZR046	10.5	Owned	
TA 30	DPT056	2	Owned	
TA 30	DPT070	2	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
3D Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Cat 730	Warren		Rental	
20' Conex	Midmac	8	Rental	
40' Office	Midmac	8	Rental	
4" Water Pump	3-3529		Owned	
F250 Truck	831172		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Grading cap. Installing tailgate on DPT056. Site maintenance. Installing tailgate on DPT056. Site maintenance. Decon Cat rental truck. 12:00 Lunch. I left for random with Oscar as my escort. 12:30 Back to work. Continued grading on cap. Putting signs out for hauling soil. 3:00 Hauled final loads of soil onto cap. 4:45 Dragging cap w/ offroad and mats. Finished hauling soil. 5:30 Left site. 8 loads = 112 cy. Richard demobed to Lake Panakoffee Florida.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 3-3529
DATE: 10/2/2012
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 60

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	11.0
Oscar Gonzalez	LR				y	10.0
Steve Holzman	OPII				y	11.5
Justino Gonzalez	LR				y	10.0
Nicolas Gonzalez	LR				y	10.0
Alonso Enriquez Jr	LR				y	10.0
Andres Enriquez Sr	OPII				y	10.0
Lenny Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 82.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Carlos	11	Personal	
350 Excavator	EX0350	10	Owned	
D6T Dozer	DZR046	10	Owned	
TA 30	DPT056	8	Owned	
TA 30	DPT070	8	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	8	Owned	
3D Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Midmac	8	Rental	
40' Office	Midmac	8	Rental	
4" Water Pump	3-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Manure arrived. Spreading manure. Hauling topsoil onto benches. Site maintenance. 12:00 Lunch. 12:30 Continued hauling topsoil. Receiving and spread manure. 3:30 Finished hauling manure. 5:00 Fueling and greasing. 5:30 Left site. Steve stayed for truck to pickup cat rental truck. 80 loads of manure. 41 loads of topsoil = 874cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/23/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 86

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garnica	SSO				y	11.0
Oscar Gonzalez	LB				y	10.0
Steve Hickman	OPIII				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Arsiteo Enriquez Jr	LB				y	10.0
Arsiteo Enriquez Sr	OPIII				y	10.0
Larry Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 81.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garnica	11	Personal	
360 Excavator	EXC065	10	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK070		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS003	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3525		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Spreading manure. Installing pipe from HC640 to stage 3. 10:00 Finished spreading manure. Begin spreading topsoil onto benches in stage 3. 12:00 Lunch. 12:30 Continued pipe installation and spreading topsoil. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/24/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 88

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garnica	SSO				y	11.0
Oscar Gonzalez	LB				y	10.0
Steve Hickman	OPIII				y	10.0
Justino Gonzalez	LB				y	10.0
Nicolas Gonzalez	LB				y	10.0
Arsiteo Enriquez Jr	LB				y	10.0
Arsiteo Enriquez Sr	OPIII				y	10.0
Larry Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 81.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garnica	11	Personal	
360 Excavator	EXC065	5	Owned	
D61 Dozer	DZR046	10	Owned	
TA 30	DPT056	4	Owned	
TA 30	DPT070	4	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK070		Owned	
JD Gator	ATV014	10	Owned	
310 Backhoe	BKH016	5	Owned	
Grease Skid	GRS003	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working on pipes in stage 3. Hauling remaining topsoil onto benches. Grading topsoil down. 9:15 Kirk Excavating arrived to disk cap area. 12:00 Lunch. 12:30 Continued working on pipes in stage 3. Grading areas in STF for seeding. 4:00 Kirk Excavating finished disking and dragging cap. 5:00 Finished piping in stage 3. 5:00 Fueling and greasing equipment. 5:30 Left site. 8 loads of topsoil = 128 cy.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/25/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Windy 67

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	
Carlos Garnica	SSO				y	
Oscar Gonzalez	LB				y	
Steve Hickman	OPIII				y	
Justino Gonzalez	LB				y	
Nicolas Gonzalez	LB				y	
Arsiteo Enriquez Jr	LB				y	12.0
Arsiteo Enriquez Sr	OPIII				y	12.0
Larry Nelson	CM					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 24.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal	
Site Truck	Garnica		Personal	
360 Excavator	EXC065		Owned	
D61 Dozer	DZR046		Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054		Owned	
2000 Gal Water Truck	WTK070		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS003		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Oscar drove to Dallas Texas. Justino drove to Dallas Texas. Nicolas drove to Dallas Texas. Steve drove to Hemphill Texas. Art and Arieato demobed to Houston Texas. Art SR. gets mileage.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/29/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	
Carlos Garnica	SSO				y	3.0
Oscar Gonzalez	LB				y	
Steve Hickman	OPIII				y	
Nicolas Gonzalez	LB				y	
Justino Gonzalez	LB				y	

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 3.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich		Personal	
Site Truck	Garnica		Personal	
360 Excavator	EXC065		Owned	
330 Volvo Excavator	Volvo		Rental	
D61 Dozer	DZR046		Owned	
TA 30	DPT056		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054		Owned	
2000 Gal Water Truck	WTK070		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH016		Owned	
Grease Skid	GRS003		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini		Rental	
40' Office	Mobmini		Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Volvo Rents delivered excavator. Nicolas drove back from Dallas Texas. Justino drove back from Dallas Texas. Oscar drove back from Dallas Texas. Steve drove back from Hemphill Texas.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/30/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 86

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.5
Carlos Garnica	SSO				y	11.5
Oscar Gonzalez	Lit				y	10.5
Steve Holzman	OPM				y	10.5
Nicolas Gonzalez	Lit				y	10.5
Justino Gonzalez	Lit				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0

TOTAL RECON HOURS: 64.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rick	10.5	Personal	
Site Truck	Garnica	11.5	Personal	
350 Excavator	EXC060	8	Owned	
220 Volvo Excavator	Volvo		Rental	
D61 Dozer	DZR046	2	Owned	
TA 30	DPT058	3	Owned	
TA 30	DPT070	2	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Materials	8	Rental	
40' Office	Materials	8	Rental	
4" Water Pump	2-3528		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Cut rolls of fabric in half. 8:50 Begin rolling out and stapling fabric on slopes in stage 3. AES onsite getting trained. 09:30 Weekly meeting. Alimetal delivered 2 scrap boxes. 12:00 Lunch. 12:30 Continued placing fabric on slope in stage 3. AES begin seeding in STF. Shipped DZR046 to Houston. 3:00 Begin hauling rip rap to stage 3. 6:00 Left site. 4 loads of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 10/31/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 85

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garnica	SSO				y	
Oscar Gonzalez	Lit				y	10.0
Steve Holzman	OPM				y	10.0
Nicolas Gonzalez	Lit				y	10.0
Justino Gonzalez	Lit				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					10.0
Tim Meade	RECON					

TOTAL RECON HOURS: 80.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rick	10	Personal	
Site Truck	Garnica		Personal	
350 Excavator	EXC060	10	Owned	
220 Volvo Excavator	Volvo	10	Rental	
D61 Dozer	DZR046		Owned	
TA 30	DPT058	10	Owned	
TA 30	DPT070	10	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS: 10.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Materials	8	Rental	
40' Office	Materials	8	Rental	
4" Water Pump	2-3528		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Moved 8" blower pipe and debris on east side of stage 3. AES onsite to seed and mulch. 8:00 Continued hauling rip rap and placing on stage 3 slopes. 11:00 MMM delivered riprap. 11:30 Lunch. 12:00 back to work. Continued placing riprap. 2:00 Finished riprap on stage 3. 3:30 AES out of hay. Left site for the day. Picking up misc. debris around the site. 5:00 Fueling and greasing. Left site. 65.49 tons of riprap from MMM. 8 loads of riprap hauled on the slopes.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/1/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 83

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garnica	SSO				n	
Oscar Gonzalez	Lit				y	10.0
Steve Holzman	OPM				y	10.0
Nicolas Gonzalez	Lit				y	10.0
Justino Gonzalez	Lit				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 50.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rick	10	Personal	
Site Truck	Garnica		Personal	
350 Excavator	EXC060		Owned	
220 Volvo Excavator	Volvo	10	Rental	
D61 Dozer	DZR046	8	Owned	
TA 30	DPT058		Owned	
TA 30	DPT070	5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Materials	8	Rental	
40' Office	Materials	8	Rental	
4" Water Pump	2-3528		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Graded area around the pond. MMM delivered riprap. Loading and hauling misc. debris. Went through hoses and disposed of the bad ones. Loaded metal boxes. 12:00 Lunch. 12:30 Continued grading around ponds. AES arrived w/ hay and began mulching. 1:30 Surveyors arrived. Loading scrap metal. 2:00 Loading trash box. 3:00 Alimetal picked up two boxes. Fueling and greasing. 5:30 Left site. 191.51 tons of riprap. 2 loads of scrap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/2/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 80

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garnica	SSO				n	
Oscar Gonzalez	Lit				y	10.0
Steve Holzman	OPM				y	10.0
Nicolas Gonzalez	Lit				y	10.0
Justino Gonzalez	Lit				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

TOTAL RECON HOURS: 50.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rick	10	Personal	
Site Truck	Garnica		Personal	
350 Excavator	EXC060		Owned	
220 Volvo Excavator	Volvo	10	Rental	
D61 Dozer	DZR046		Owned	
TA 30	DPT058		Owned	
TA 30	DPT070	2	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010	3	Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Materials	8	Rental	
40' Office	Materials	8	Rental	
4" Water Pump	2-3528		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Loading scrap and debris. Picking up misc debris around site. AES seeding and mulching. MMM delivered rip rap. Load and hauled rocks to the AHA. 10:45 AES left site. 12:00 Lunch. 12:30 Back to work. Continued loading boxes. Site maintenance. 5:00 Fueling and greasing. 5:30 Left site. 3 loads of C&D. 4 loads of steel. MMM delivered 28.53 tons of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED [PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED] AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/8/12
DAY OF WEEK: Monday
WEATHER/TEMP: Windy 45

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	
Oscar Gonzalez	LB				y	10.0
Steve Holman	OPS				y	10.0
Nicolas Gonzalez	LB				y	10.0
Justino Gonzalez	LB				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 50.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia		Personal	
350 Excavator	EXC065	1	Owned	
225 Volvo Excavator	Volvo		Rental	
D61 Dozer	DZR046		Owned	
TA 20	DPT058		Owned	
TA 30	DPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	10	Owned	
310 Backhoe	BKH078	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Raking slopes on mpa basin. Stockpiling rip rap. 9:30 Weekly meeting. Volvo rents delivered trencher. 10:30 Tried trencher out on slopes. The soil needs to go above the trench on the slope but most of it is falling downhill. Will use the backhoe to excavate trench for fabric. 10:45 AES onsite. 12:00 Lunch. 12:30 Back to work. Continued excavating trench and raking slopes. 1:00 Unloading hay with excavator for AES. AES disking, seeding, mulching, and crimping cap. 4:45 Finished raking slopes. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/9/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Windy 65

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	11.0
Oscar Gonzalez	LB				y	10.0
Steve Holman	OPS				y	10.0
Nicolas Gonzalez	LB				y	10.0
Justino Gonzalez	LB				y	10.0
Javier Gonzalez	LB					

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 61.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	11	Personal	
350 Excavator	EXC065	8	Owned	
225 Volvo Excavator	Volvo	5	Rental	
D61 Dozer	DZR046		Owned	
TA 20	DPT058	5	Owned	
TA 30	DPT070	5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	10	Owned	
310 Backhoe	BKH078	10	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmon	8	Rental	
40' Office	Mobmon	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued excavating liner trench. Placing fabric on mpa slope. AES onsite disking, seeding, mulching, and crimping. 10:00 Completed excavating anchor trench on west side of mpa basin. Backfilling fabric trench and placing rip rap. 12:00 Lunch 12:30 Continued installing fabric, backfilling anchoe trench, and placing rip rap. 3:30 Continued excavating anchor trench on east side. 5:00 About 3/4 finished on westside with rip rap only. Fueling and greasing. 5:30 Left site. 7 loads of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/07/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 73

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	11.0
Oscar Gonzalez	LB				y	10.0
Steve Holman	OPS				y	10.0
Nicolas Gonzalez	LB				y	10.0
Justino Gonzalez	LB				y	10.0
Javier Gonzalez	LB				y	12.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 73.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	11	Personal	
350 Excavator	EXC065	10	Owned	
225 Volvo Excavator	Volvo	5	Rental	
D61 Dozer	DZR046	5	Owned	
TA 20	DPT058	5	Owned	
TA 30	DPT070	5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH078	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmon	8	Rental	
40' Office	Mobmon	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued installing fabric and rip rap on slopes in mpa. AES seeding and mulching cap. Excavating liner trench on mpa basin. 12:00 Lunch. 12:30 Begin hauling soil on wesst side to fill in above rip rap. Continued liner trench. 12:00 AES straw blower broke down. Will return tomorrow with parts. 3:30 Completed soil on west side of pond. Continued excavating liner trench. 5:00 Fueling and greasing. 5:30 Left site. 3 loads of rip rap. 15 loads of soil. Javier mobed in from Pasadena, TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/4/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 74

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jan Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	11.0
Oscar Gonzalez	LB				y	10.0
Steve Holman	OPS				y	10.0
Nicolas Gonzalez	LB				y	10.0
Justino Gonzalez	LB				y	10.0
Javier Gonzalez	LB				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 71.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	11	Personal	
350 Excavator	EXC065	7	Owned	
225 Volvo Excavator	Volvo	3	Rental	
D61 Dozer	DZR046	3	Owned	
TA 20	DPT058	3	Owned	
TA 30	DPT070	3	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH078	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmon	8	Rental	
40' Office	Mobmon	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working on rip rap on slopes and excavating liner trench in MPA. 11:00 AES onsite mulching and crimping. 12:00 Lunch. 12:30 Continued working on rip rap on mpa basin. 3:00 Hauling soil onto slopes of the mpa. 5:00 Fueling and greasing. 5:30 Left site. 10 loads of soil and 4 loads of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4991

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/6/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 79

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Carlos Garnica	SSO				y	11.0
Oscar Gonzalez	Lif				y	10.0
Steve Hickman	OPII				y	10.0
Nicolas Gonzalez	Lif				y	10.0
Justino Gonzalez	Lif				y	10.0
Javier Gonzalez	Lif				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

TOTAL RECON HOURS: 71.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garnica	11	Personal	
390 Excavator	EXC065	10	Owned	
220 Volvo Excavator	Volvo	5	Rental	
261 Dozer	DZR046		Owned	
TA 30	DPT058	8	Owned	
TA 30	DPT059	8	Owned	
20' Conex	CON064	8	Owned	
2000 Gal Water Truck	WTR070		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3029		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working on slopes in mpa basin. AES onsite seeding, mulching, and crimping. 11:00 Loaded transformers on Clean Harbors. 12:00 Lunch. 12:30 Back to work. 5:00 Fueling and greasing. 5:30 Left site. 9 loads of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/5/012
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 23

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	8.0
Carlos Garnica	SSO				y	10.0
Oscar Gonzalez	Lif				y	8.0
Steve Hickman	OPII				y	8.0
Nicolas Gonzalez	Lif				y	8.0
Justino Gonzalez	Lif				y	8.0
Javier Gonzalez	Lif				y	8.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 64.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Garnica	10	Personal	
390 Excavator	EXC065	8	Owned	
220 Volvo Excavator	Volvo	3	Rental	
261 Dozer	DZR046		Owned	
TA 30	DPT058	3	Owned	
TA 30	DPT059	3	Owned	
20' Conex	CON064	8	Owned	
2000 Gal Water Truck	WTR070		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3029		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued riprap on slopes placement on slopes in mpa basin. Real wet. Will get what we can get done then finish when it dries up. ACM performed asbestos survey. 9:30 Weekly meeting. 10:00 Piled up asphalt in mpa. Demo deck and hot tub behind El Paso office. 4:00 Left site. MMM delivered materials delivered 52.97 tons of rip rap.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/3/012
DAY OF WEEK: Tuesday
WEATHER/TEMP: Cloudy 28

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.5
Carlos Garnica	SSO				y	11.5
Oscar Gonzalez	Lif				y	10.5
Steve Hickman	OPII				y	10.5
Nicolas Gonzalez	Lif				y	10.5
Justino Gonzalez	Lif				y	10.5
Javier Gonzalez	Lif				y	10.5

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

TOTAL RECON HOURS: 74.5

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10.5	Personal	
Site Truck	Garnica	11.5	Personal	
390 Excavator	EXC065	3	Owned	
220 Volvo Excavator	Volvo	10.5	Rental	
261 Dozer	DZR046	7.5	Owned	
TA 30	DPT058	10.5	Owned	
TA 30	DPT059	10.5	Owned	
20' Conex	CON064	8	Owned	
2000 Gal Water Truck	WTR070		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3029		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 hauling soil onto east slope of mpa basin. 10:30 Pipe and catch basins delivered. 12:00 Lunch 12:30 Continued hauling soil on slope of basin. 1:00 Replaced battery on exc065. Picked up steps for El Paso office. 4:15 Installing steps on back of house. Finished rip rap on east slope. 5:30 Fueling and greasing. 6:00 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3029
DATE: 11/1/012
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Joe Richardson	Sup				y	10.0
Carlos Garnica	SSO				y	11.0
Oscar Gonzalez	Lif				y	10.0
Steve Hickman	OPII				y	10.0
Nicolas Gonzalez	Lif				y	10.0
Justino Gonzalez	Lif				y	10.0
Javier Gonzalez	Lif				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 71.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garnica	11	Personal	
390 Excavator	EXC065	2	Owned	
220 Volvo Excavator	Volvo	10	Rental	
261 Dozer	DZR046		Owned	
TA 30	DPT058		Owned	
TA 30	DPT059	8	Owned	
20' Conex	CON064	8	Owned	
2000 Gal Water Truck	WTR070		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH015	8	Owned	
Grease Skid	GRS005	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3029		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Begin drainage pipe install behind decon pad. 12:00 Lunch. 12:30 Continued drainage work. 1:40 AES arrived and began seeding and planting stage 3. 5:00 Fueling and greasing. 5:30 Left site. 2 loads of fines for backfill line.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

8720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/15/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	11.0
Oscar Gonzalez	Lit				y	10.0
Steve Hickman	OPS				y	10.0
Nicolas Gonzalez	Lit				y	10.0
Justino Gonzalez	Lit				y	10.0
Javier Gonzalez	Lit				y	10.0

TOTAL RECON HOURS: 71.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	11	Personal	
350 Excavator	EXC045	1	Owned	
220 Volvo Excavator	Volvo	10	Rental	
D61 Dozer	DZR046		Owned	
TA 30	OPT070		Owned	
TA 30	OPT070	2	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Midmac	8	Rental	
40' Office	Midmac	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Continued working on drainage pipe. Hooked up pipe in wetlands. AES onsite planting wetlands. 12:00 Lunch. 12:30 Continued installing drainage . 2:40 Young Electric onsite to shut down power so we can excavated around 480v electrical line. 4:15 Completed excavating trench and begin backfilling trench. 5:00 Fueling and greasing. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/20/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 16

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	10.0
Oscar Gonzalez	Lit				y	10.0
Steve Hickman	OPS				y	10.0
Nicolas Gonzalez	Lit				y	10.0

TOTAL RECON HOURS: 50.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	10	Personal	
350 Excavator	EXC045		Owned	
220 Volvo Excavator	Volvo	5	Rental	
D61 Dozer	DZR046		Owned	
TA 30	OPT070	5	Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	10	Owned	
310 Backhoe	BKH018	5	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Midmac		Rental	
40' Office	Midmac		Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 7:30 Repairing potholes in mpa sump area. Thawing out valve at mpa so we can pump the rest of the water out of the mpa basin. 10:00 Placing lines around sumps. 11:45 Begin pumping water from mpa basin to ows. Waste connections hauled trash box and brought it back empty. 12:00 Lunch. 12:30 Continued working. Cleaning office and loading pipes along the east fence of the mpa and pumping down the basin. 4:00 Hauling stuff to El Paso office. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/27/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 16

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	10.0
Oscar Gonzalez	Lit				y	10.0
Steve Hickman	OPS				y	10.0
Nicolas Gonzalez	Lit				y	10.0

TOTAL RECON HOURS: 50.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	10	Personal	
350 Excavator	EXC045		Owned	
220 Volvo Excavator	Volvo		Rental	
D61 Dozer	DZR046		Owned	
TA 30	OPT070		Owned	
20' Conex	CON054	8	Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009	8	Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Midmac	8	Rental	
40' Office	Midmac	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 Working on clearing out office and conex. 8:15 Electricraft arrived to unhook transformer and job shack. Site maintenance and cleanup. 12:00 Lunch. 12:30 Continued working on conex and site. 1:30 Went to Merestone Surveying to give them info for as builts. 5:15 Arrived back at site. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/28/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 24

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	11.0
Carlos Garcia	SSO				y	11.0
Oscar Gonzalez	Lit				y	11.0
Steve Hickman	OPS				y	11.0
Nicolas Gonzalez	Lit				y	11.0

TOTAL RECON HOURS: 55.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Garcia	10	Personal	
350 Excavator	EXC045	2	Owned	
220 Volvo Excavator	Volvo	5	Rental	
D61 Dozer	DZR046		Owned	
TA 30	OPT070	2	Owned	
20' Conex	CON054		Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014	8	Owned	
310 Backhoe	BKH018	8	Owned	
Grease Skid	GRS009		Owned	

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Midmac		Rental	
40' Office	Midmac		Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:30 Removed ditch dam on main road. 9:30 Picked up trash on main entrance road. 10:30 Clean up around conex boxes. Move manhole section to decon pad. 12:00 Lunch. 12:30 Removed t-posts and pvc pipe markers from entire site. 4:00 Truck arrived to pick up con054, blower, atv014, grs009, and 8 mats. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 990-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/20/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	10.0
Carlos Garcia	SSO				y	10.0
Oscar Gonzalez	LR				y	10.0
Steve Hickman	OPM				y	10.0
Nicolas Gonzalez	LR				y	10.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 50.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	10	Personal	
Site Truck	Gamboa	10	Personal	
350 Excavator	EXC060	10	Owned	
220 Volvo Excavator	Volvo	10	Rental	
D61 Dozer	D0R046		Owned	
TA 30	DPT070	10	Owned	
20' Conex	CONX04		Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS005		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini	8	Rental	
40' Office	Mobmini	8	Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 Installing rip rap on south end of mpa. 12:00 Lunch. 12:30 Continued installing rip rap on south slope. Site clean up and maintenance. 4:20 Truck arrived to pickup DPT056. 5:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 11/20/12
DAY OF WEEK: Friday
WEATHER/TEMP: Clear 79

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	9.0
Carlos Garcia	SSO				y	9.0
Oscar Gonzalez	LR				y	9.0
Steve Hickman	OPM				y	9.0
Nicolas Gonzalez	LR				y	9.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Tim Meade	RECON					

TOTAL RECON HOURS: 45.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	9	Personal	
Site Truck	Gamboa	9	Personal	
350 Excavator	EXC060		Owned	
220 Volvo Excavator	Volvo		Rental	
D61 Dozer	D0R046	2	Owned	
TA 30	DPT070		Owned	
2000 Gal Water Truck	WTK010		Owned	
JD Gator	ATV014		Owned	
310 Backhoe	BKH016	8	Owned	
Grease Skid	GRS005		Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
20' Conex	Mobmini		Rental	
40' Office	Mobmini		Rental	
4" Water Pump	2-3529		Owned	

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:30 Safety meeting. 8:00 Seeding south slope of mpa basin and areas in STF. Grading area in STF. 11:00 Clean up site. 12:00 Lunch. 12:30 Continued clean up of site. Clean up Volvo excavator and called off rent. 4:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/3/12
DAY OF WEEK: Monday
WEATHER/TEMP: Clear 62

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Carlos Garcia	SSO				y	8.0
Oscar Gonzalez	LR				y	8.0
Steve Hickman	OPM				y	8.0
Nicolas Gonzalez	LR				y	8.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 40.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Gamboa	8	Personal	
350 Excavator	EXC060		Owned	
D61 Dozer	D0R046	8	Owned	
TA 30	DPT070		Owned	
2000 Gal Water Truck	WTK010		Owned	
310 Backhoe	BKH016	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 Road maintenance. Move remaining stuff from inside office and conex. 8:45 ACM onsite to pickup asbestos. 9:45 Mobil Mini onsite to pick up 20' container. Volvo rents picked up excavator. 12:00 Lunch. 12:30 Continued site clean up and road maintenance. 2:50 Mobil Mini picked up office. 3:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-2442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/4/12
DAY OF WEEK: Tuesday
WEATHER/TEMP: Clear 33

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Carlos Garcia	SSO				y	8.0
Oscar Gonzalez	LR				y	8.0
Steve Hickman	OPM				y	8.0
Nicolas Gonzalez	LR				y	8.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 40.0

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rich	8	Personal	
Site Truck	Gamboa	8	Personal	
350 Excavator	EXC060	2	Owned	
D61 Dozer	D0R046	8	Owned	
TA 30	DPT070		Owned	
2000 Gal Water Truck	WTK010		Owned	
310 Backhoe	BKH016	8	Owned	

TOTAL HOURS

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 MMM delivered road base. Spreading gravel on road. 9:00 Loading rolloff box with asphalt material. Fueling and cleaning all remaining equipment. 12:00 Lunch. 12:30 Continued placing gravel on roads and site clean up. 3:30 Left site. MMM delivered 189.56 tons of road base.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE: CUSTOMER SIGNATURE:

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RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/6/12
DAY OF WEEK: Wednesday
WEATHER/TEMP: Clear 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Carlos Garnica	SSO				y	8.0
Oscar Gonzalez	LSI				y	8.0
Steve Hickman	OPII				y	8.0
Nicolas Gonzalez	LSI				y	8.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS

TOTAL RECON HOURS: 40.0

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rob	8	Personal	
Site Truck	Carlos	8	Personal	
360 Excavator	EXC360		Owned	
D61 Dozer	D2R246		Owned	
TA 30	DPT070		Owned	
2000 Gal Water Truck	WTK070		Owned	
110 Backhoe	BHO070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

7:00 Safety meeting. 8:00 Began demobing all remaining equipment, toilets, and roll off box. 3:30 Left site.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

RECON DAILY LOG AND TIMESHEET

JOB #: 2-3529
DATE: 12/6/12
DAY OF WEEK: Thursday
WEATHER/TEMP: Clear 34

PERSONNEL

EMPLOYEE NAME:	CLASS	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Jon Richardson	Sup				y	8.0
Carlos Garnica	SSO				y	8.0
Oscar Gonzalez	LSI				y	8.0
Steve Hickman	OPII				y	8.0
Nicolas Gonzalez	LSI				y	8.0

SUBCONTRACTORS & VISITORS

EMPLOYEE NAME:	COMPANY	TIME IN	TIME OUT	LUNCH	PER DIEM	TOTAL HOURS
Matt Meyers	RECON					
Tim Meade	RECON					

TOTAL RECON HOURS: 40.0

TOTAL HOURS:

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:
Site Truck	Rob		Personal	
Site Truck	Carlos		Personal	
360 Excavator	EXC360		Owned	
D61 Dozer	D2R246		Owned	
TA 30	DPT070		Owned	
2000 Gal Water Truck	WTK070		Owned	
110 Backhoe	BHO070		Owned	

EQUIPMENT:	ID	HOURS	OWNED or RENTAL Co.	COMMENTS ON EQUIPMENT:

DESCRIPTION OF WORK PERFORMED (RECON AND SUBS):

Steve Hickman demobed to Hemphill, TX. Oscar Gonzalez demobed to Dallas, TX. Nicolas demobed to Dallas, TX.

PROJECT DELAYS OR DISCREPANCIES / OUT OF SCOPE WORK / CHANGE ORDER REQUEST:

MATERIALS USED (PURCHASE ORDERS ISSUED; RECEIVED; INVOICES RECEIVED) AND OTHER COMMENTS:

SUPERINTENDENT SIGNATURE:

CUSTOMER SIGNATURE:

9720 DERRINGTON / HOUSTON, TX 77064 / OFFICE: (281) 955-3442 / FAX (281) 890-4981

APPENDIX I
GEOTECHNICAL REPORTS

MWH

Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 • Houston, TX 77031 • (713) 722-7064 • Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529 **Project No.:** 11.18.913

Client: RECON, 9720 Derrington, Houston, Tx 77064 **Report No.:**

Contractor: **Date:** January 3, 2012

Material:	Stabilized Sludge	Date Received (lab):	12/2/11
Source:	Sample provided by RECON	Time Received (lab):	12:00pm
Location of Placement:		Time Molded (lab):	
		Compactive Effort:	
Truck No. / Ticket No.		Test Method:	ASTM D1633

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date/Time Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in^2)	Maximum Load (lb)	Compressive Strength (psi)**
ELD-STAB-120A (1)	1/3/2012	28	22.4	6.000	3.010	1.99	7.12	520	80
ELD-STAB-120A (2)	1/3/2012	28	23.9	5.966	3.012	1.98	7.13	610	95
ELD-STAB-120B (1)	1/3/2012	28	29.1	5.960	3.015	1.98	7.14	650	100
ELD-STAB-120B (2)	1/3/2012	28	29.8	5.985	3.025	1.98	7.19	850	130
ELD-STAB-100C (1)	1/5/2012	28	26.4	6.009	3.015	1.99	7.14	500	75
ELD-STAB-100C (2)	1/5/2012	28	25.5	6.030	3.025	1.99	7.19	430	65
ELD-STAB-100D (1)	1/5/2012	28	24.1	5.994	3.006	1.99	7.10	120	20
ELD-STAB-100D (2)	1/5/2012	28	27.9	5.972	3.010	1.99	7.12	130	20

Note: Cylinders tested in accordance with ASTM D 1633. Capping method unknown

**Correction factor applied for method B: YES / NO

Technician: LGC

Reviewed by: EEH/FLF

Tolunay-Wong Engineers, Inc.

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Tolunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.913 Date: 1/4/12 CELL 12
Project Name: EL Paso Phase II / 2-3529 Tech: RC
Client Name: RECON
Address: 9720 Derrington, Houston, Tx 77064
Sample ID: ELDKS-STABPLT-120A
Description: Stabilized Sludge

Before Test			After Test		
Specimin Data			Specimin Data		
Length(in)	6.05		Length(in)	6.03	
Diameter(in)	3.01		Diameter(in)	3.01	
Length(cm)	15.36		Length(cm)	15.33	
Diameter(cm)	7.64		Diameter(cm)	7.64	
Specific Gravity	2.65	Assumed			
Wet Weight(gm)	1195.53		Wet Weight(gm)	1242.08	Avg
Area(cm^2)	45.82		Area(cm)	45.80	
Volume(cc)	703.72		Volume(cc)	701.99	
Moisture Data			Moisture Data		
Wet Wt.+Tare(gm)			Wet Wt. + Tare	176.7	
Dry Wt.+Tare(gm)			Dry Wt. + Tare	135.68	
Tare Weight(gm)			Tare Weight	31.25	
Moisture(%)			Moisture(%)	39.28	
Weight/Volume Data			Weight/Volume Data		
Wet Weight(pcf)	106.1		Wet Weight(pcf)	110.5	
Dry Weight(pcf)			Dry Weight(pcf)	79.3	
Vol.Voids(cc)			Vol.Voids(cc)	386.2	
Void Ratio			Void Ratio	1.091	
Saturation(%)			Saturation(%)	95.4	
Cell(psi)	40		a-in (cm^2)	0.7671	
Backpressure(psi)	37		a-out (cm^2)	0.0314	

BEFORE	
DIA	LENGTH
3.007	6.047
3.008	6.047
3.012	6.047
3.000	6.047
3.008	6.047
Avg 3.007	6.047
AFTER	
DIA	LENGTH
3.002	6.033
3.003	6.039
3.010	6.030
3.008	6.042
3.010	6.025
Avg 3.007	6.034

Test Constants	
M1=	0.03018
M2=	1.040953
S=	0.334592
G=	12.542
C=	0.000805

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
1/13/2012	11:46:20 AM	0	68.72	20.4	58	15.32	3.8		
	11:46:30 AM	10	68.72	20.4	57	15.36	3.7	0.24390	2.0E-06
	11:46:30 AM	0	68.72	20.4	57	15.36	3.7		
	11:46:40 AM	10	68.72	20.4	56	15.40	3.6	0.25000	2.0E-06
	11:46:40 AM	0	68.72	20.4	56	15.40	3.6		
	11:46:50 AM	10	68.72	20.4	55	15.44	3.5	0.25641	2.1E-06
	11:46:50 AM	0	68.72	20.4	55	15.44	3.5		
	11:47:00 AM	10	68.72	20.4	54	15.48	3.4	0.26315	2.1E-06

Coefficient of permeability, k20° (cm/sec) 2.1E-06

Calculated By: EEH Date: 1/16/12 Reviewed By: T.B Date: 1/16/12

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Tolunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.913 Date: 1/4/12 CELL 2
Project Name: EL Paso Phase II / 2-3529 Tech: RC
Client Name: RECON
Address: 9720 Derrington, Houston, Tx 77064
Sample ID: ELDKS-STABPLT-120B
Description: Stabilized Sludge

Before Test			After Test		
Specimin Data			Specimin Data		
Length(in)	5.98		Length(in)	5.97	
Diameter(in)	3.01		Diameter(in)	3.01	
Length(cm)	15.15		Length(cm)	15.17	
Diameter(cm)	7.64		Diameter(cm)	7.65	
Specific Gravity	2.65	Assumed			
Wet Weight(gm)	1135.84		Wet Weight(gm)	1184.60	Avg
Area(cm^2)	45.81		Area(cm)	45.91	
Volume(cc)	693.92		Volume(cc)	696.31	
Moisture Data			Moisture Data		
Wet Wt.+Tare(gm)			Wet Wt. + Tare	154.14	
Dry Wt.+Tare(gm)			Dry Wt. + Tare	114.99	
Tare Weight(gm)			Tare Weight	31.14	
Moisture(%)			Moisture(%)	46.69	
Weight/Volume Data			Weight/Volume Data		
Wet Weight(pcf)	102.2		Wet Weight(pcf)	106.2	
Dry Weight(pcf)			Dry Weight(pcf)	72.4	
Vol.Voids(cc)			Vol.Voids(cc)	392.2	
Void Ratio			Void Ratio	1.290	
Saturation(%)			Saturation(%)	95.9	
Cell(psi)	40		a-in (cm^2)	0.7671	
Backpressure(psi)	37		a-out (cm^2)	0.0314	

BEFORE	
DIA	LENGTH
3.005	5.956
3.010	5.965
3.008	5.996
3.008	5.961
3.005	5.940
Avg 3.007	5.964
AFTER	
DIA	LENGTH
3.008	5.953
3.011	5.961
3.012	5.963
3.010	5.977
3.012	5.959
Avg 3.010	5.971

Test Constants	
M1=	0.03018
M2=	1.040953
S=	0.330298
G=	12.542
C=	0.000795

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
1/13/2012	6:30:45 AM	0	68.72	20.4	107	13.31	8.4		
	6:31:15 AM	30	68.72	20.4	106	13.35	8.3	0.11111	2.9E-07
	6:31:15 AM	0	68.72	20.4	106	13.35	8.3		
	6:31:45 AM	30	68.72	20.4	105	13.40	8.2	0.11236	3.0E-07
	6:31:45 AM	0	68.72	20.4	105	13.40	8.2		
	6:32:15 AM	30	68.72	20.4	104	13.44	8.1	0.11364	3.0E-07
	6:32:15 AM	0	68.72	20.4	104	13.44	8.1		
	6:32:45 AM	30	68.72	20.4	103	13.48	8.0	0.11494	3.0E-07

Coefficient of permeability, k20° (cm/sec) 3.0E-07

Calculated By: EEH Date: 1/16/12 Reviewed By: T.B Date: 1/16/12

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Tolunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.913 Date: 1/4/12 CELL 13
Project Name: EL Paso Phase II / 2-3529 Tech: RC
Client Name: RECON
Address: 9720 Derrington, Houston, Tx 77064
Sample ID: ELDKS-STABPLT-100C
Description: Stabilized Sludge

Before Test			After Test		
Specimin Data			Specimin Data		
Length(in)	6.05		Length(in)	5.97	
Diameter(in)	3.01		Diameter(in)	3.00	
Length(cm)	15.36		Length(cm)	15.16	
Diameter(cm)	7.63		Diameter(cm)	7.62	
Specific Gravity	2.65	Assumed			
Wet Weight(gm)	1146.04		Wet Weight(gm)	1237.51	Avg
Area(cm^2)	45.77		Area(cm)	45.65	
Volume(cc)	702.81		Volume(cc)	692.29	
Moisture Data			Moisture Data		
Wet Wt.+Tare(gm)			Wet Wt. + Tare	144.78	
Dry Wt.+Tare(gm)			Dry Wt. + Tare	113.61	
Tare Weight(gm)			Tare Weight	30.58	
Moisture(%)			Moisture(%)	37.54	
Weight/Volume Data			Weight/Volume Data		
Wet Weight(pcf)	101.8		Wet Weight(pcf)	111.6	
Dry Weight(pcf)			Dry Weight(pcf)	81.1	
Vol.Voids(cc)			Vol.Voids(cc)	353.5	
Void Ratio			Void Ratio	1.043	
Saturation(%)			Saturation(%)	95.3	
Cell(psi)	50		a-in (cm^2)	0.7671	
Backpressure(psi)	47		a-out (cm^2)	0.0314	

BEFORE	
DIA	LENGTH
3.010	6.045
3.000	6.047
3.000	6.044
3.005	6.047
3.012	6.045
Avg 3.005	6.046
AFTER	
DIA	LENGTH
3.005	5.973
3.000	5.962
3.000	5.970
3.000	5.966
3.003	5.980
Avg 3.002	5.970

Test Constants	
M1=	0.03018
M2=	1.040953
S=	0.332169
G=	12.542
C=	0.000799

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
1/16/2012	9:15:00 AM	0	68	20.0	59	15.28	3.9		
	9:15:05 AM	5	68	20.0	58	15.32	3.8	0.23809	3.9E-06
	9:15:05 AM	0	68	20.0	58	15.32	3.8		
	9:15:10 AM	5	68	20.0	57	15.36	3.7	0.24390	4.0E-06
	9:15:10 AM	0	68	20.0	57	15.36	3.7		
	9:15:15 AM	5	68	20.0	56	15.40	3.6	0.25000	4.1E-06
	9:15:15 AM	0	68	20.0	56	15.40	3.6		
	9:15:20 AM	5	68	20.0	55	15.44	3.5	0.25641	4.2E-06

Coefficient of permeability, k20° (cm/sec) 4.0E-06

Calculated By: EEH Date: 1/17/12 Reviewed By: T.B Date: 1/17/12

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Tolunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18 913 — Date 1/4/12 — CELL 13
Project Name: EL Paso Phase II / 2-3529 — Tech: RC
Client Name: RECON
Address: 9720 Derrington, Houston, Tx 77064
Sample ID: ELDKS-STABPLT-100D
Description: Stabilized Sludge

Before Test			After Test			BEFORE	
Specimin Data			Specimin Data			DIA	LENGTH
Length(in)	6 05		Length(in)	5 98		3 005	6.047
Diameter(in)	3.01		Diameter(in)	3.01		3 025	6 047
Length(cm)	15.38		Length(cm)	15.18		3.010	6 047
Diameter(cm)	7.65		Diameter(cm)	7.63		3.010	6 047
						3.010	6 047
						3 012	6 047
Specific Gravity	2 65	Assumed				3.012	6.047
Wet Weight(gm)	1113.72		Wet Weight(gm)	1160.81	Avg		AFTER
Area(cm²)	45 98		Area(cm)	45 77		DIA	LENGTH
Volume(cc)	706.25		Volume(cc)	694.85		3.007	5.988
Moisture Data			Moisture Data			3.003	5.981
Wet Wt +Tare(gm)			Wet Wt. + Tare	147.48		3.005	5 977
Dry Wt +Tare(gm)			Dry Wt + Tare	108 64		3 009	5 960
Tare Weight(gm)			Tare Weight	30 27		3 004	5.976
Moisture(%)			Moisture(%)	49.56	Avg	3.006	5.978
Weight/Volume Data			Weight/Volume Data				
Wet Weight(pcf)	98.4		Wet Weight(pcf)	104.3		Test Constants	
Dry Weight(pcf)			Dry Weight(pcf)	69.7		M1=	0.03018
Vol.Voids(cc)			Vol Voids(cc)	402.6		M2=	1.040953
Void Ratio			Void Ratio	1.378		S=	0.33163
Saturation(%)			Saturation(%)	95.3		G=	12.542
Cell(psi)	50		a-in (cm²)	0.7671		C=	0.000798
Backpressure(psi)	47		a-out (cm²)	0.0314			

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
1/16/2012	9:40:00 AM	0	68.18	20.1	130	12.37	10.5		
	9:40:05 AM	5	68.18	20.1	129	12.41	10.4	0.08849	1.4E-06
	9:40:05 AM	0	68.18	20.1	129	12.41	10.4		
	9:40:10 AM	5	68.18	20.1	128	12.45	10.3	0.08929	1.4E-06
	9:40:10 AM	0	68.18	20.1	128	12.45	10.3		
	9:40:15 AM	5	68.18	20.1	127	12.49	10.2	0.09009	1.4E-06
	9:40:15 AM	0	68.18	20.1	127	12.49	10.2		
	9:40:20 AM	5	68.18	20.1	126	12.54	10.1	0.09091	1.5E-06
								Coefficient of permeability, k20° (cm/sec)	1.4E-06

Calculated By: EEH — Date 1/17/12 — Reviewed By: T.B — Date: 1/17/12

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RECON Remedial Construction Services, L.P.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Name/No. El Paso Phase II / 2-3529 — Samples Shipment Date 12/19/2011 — Bill to: Matt Meyers, 9977 West Sam Houston P, Houston, Tx. 77064
Sample Team Jon Richardson — Lab Destination Tolunay-Wong Engineers, Inc.
Profit Center No. N/A — Lab Contact Floyd Fuqua — Report to: Matt Meyers, 9977 West Sam Houston P, Houston, Tx. 77064
Project Manager Matt Meyers — Project Contact/Phone 713-722-7064
Purchase Order No. 2-3529 — Carrier/Waybill No.
Required Report Date See Below

ONE CONTAINER PER LINE

Sample Number	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt
ELDKS-STABPLT-120A	Stabilized Sludge	12/7/11 1600	3x6 Cyl.	4- 3x6	Cool 4C	28-Day UCS and Permeability ASTM D-5084	
ELDKS-STABPLT-120B	Stabilized Sludge	12/7/11 1600	3x6 Cyl.	4- 3x6	Cool 4C	28-Day UCS and Permeability ASTM D-5084	
ELDKS-STABPLT-100C	Stabilized Sludge	12/9/11 1600	3x6 Cyl.	4- 3x6	Cool 4C	28-Day UCS and Permeability ASTM D-5084	
ELDKS-STABPLT-100D	Stabilized Sludge	12/9/11 1600	3x6 Cyl.	4- 3x6	Cool 4C	28-Day UCS and Permeability ASTM D-5084	

Special Instructions:
Possible Hazard Identification: Non-Hazard ■ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐
Turnaround Time Required: Normal ■ Rush ☐ Standard TAT
QC Level: NA — I. ■ II. ☐ III. ☐ Project Specific (specify):
Sample Disposal: Return to Client ☐ Disposal by Lab ■ Archive ☐

1. Relinquished by (Signature/Affiliation): Jon Richardson — Date: 12/19/2011 — Time:
2. Relinquished by (Signature/Affiliation): — Date: — Time:
3. Relinquished by (Signature/Affiliation): — Date: — Time:
1. Received by (Signature/Affiliation): — Date: 12/21/11 — Time: 12:00 pm
2. Received by (Signature/Affiliation): — Date: — Time:
3. Received by (Signature/Affiliation): — Date: — Time:
Comments:

Tolunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.911 — Date 5/4/12 — CELL 0
Project Name: El Paso Phase II / 2-3529 — Tech: RC
Client Name: Matt Meyers
Address: 9977 West Sam Houston Parkway North, Suite 100, Houston, Tx. 77064
Sample ID: ELDKS-GRDB8-040412
Description: Stabilized Sludge

Before Test			After Test			BEFORE	
Specimin Data			Specimin Data			DIA	LENGTH
Length(in)	4 68		Length(in)	4.70		2 958	4 693
Diameter(in)	2.97		Diameter(in)	2.94		2.955	4.708
Length(cm)	11.88		Length(cm)	11.94		2.975	4 693
Diameter(cm)	7.53		Diameter(cm)	7.47		2.975	4.611
						2.968	4.689
Specific Gravity	2 65	Assumed				2.966	4.679
Wet Weight(gm)	931.36		Wet Weight(gm)	966 36	Avg		AFTER
Area(cm²)	44.58		Area(cm)	43 87		DIA	LENGTH
Volume(cc)	529 82		Volume(cc)	523 69		2.978	4.702
Moisture Data			Moisture Data			2 980	4 720
Wet Wt +Tare(gm)	154.78		Wet Wt + Tare	160		2.960	4.732
Dry Wt +Tare(gm)	136 90		Dry Wt. + Tare	132.78		2.900	4.645
Tare Weight(gm)	31.43		Tare Weight	31.39		2 894	4.700
Moisture(%)	16.95		Moisture(%)	26.85	Avg	2.942	4.700
Weight/Volume Data			Weight/Volume Data				
Wet Weight(pcf)	109.7		Wet Weight(pcf)	115.2		Test Constants	
Dry Weight(pcf)	93.8		Dry Weight(pcf)	90.8		M1=	0.03018
Vol.Voids(cc)	228.8		Vol.Voids(cc)	236.8		M2=	1.040953
Void Ratio	0.759		Void Ratio	0.826		S=	0.272115
Saturation(%)	59.2		Saturation(%)	86.2		G=	12.542
Cell(psi)	60		a-in (cm²)	0.7671		C=	0.000655
Backpressure(psi)	55		a-out (cm²)	0.0314			

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
5/15/2012	6:44:20 AM	0	68.38	20.2	94	13.85	9.1		
	6:44:30 AM	10	68.36	20.2	93	13.89	9.0	0.12987	8.6E-07
	6:44:30 AM	0	68.36	20.2	93	13.89	9.0		
	6:44:40 AM	10	68.36	20.2	92	13.93	8.9	0.13158	8.7E-07
	6:44:40 AM	0	68.38	20.2	92	13.93	8.9		
	6:44:50 AM	10	68.36	20.2	91	13.97	8.7	0.13333	8.8E-07
	6:44:50 AM	0	68.36	20.2	91	13.97	8.7		
	6:45:00 AM	10	68.36	20.2	90	14.01	8.6	0.13513	8.9E-07
								Coefficient of permeability, k20° (cm/sec)	8.7E-07

Calculated By: EEH — Date: 5/16/12 — Reviewed By: T.B — Date: 5/16/12

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Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 • Houston, TX 77031 • (713) 722-7061 • Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-10xx
Project No.: 11.18 911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064
Report No.:

Date: May 16, 2012

Material:	Stabilized Sludge	Date Received (lab):	4/23/12
Source:	Sample provided by RECON	Time Received (lab):	4:30PM
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No. / Ticket No.		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDF2-041812	5/16/2012	28	28.2	5.895	3 017	2 0	7.15	860	130

Notes: Curing method unknown

**Correction factor applied for method B: YES / NO

Technician: EEH
Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

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Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 * Houston, TX 77031 * (713) 722-7064 * Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-10xx

Project No.: 11.18.911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064

Report No.:

Date: May 18, 2012

Material:	Stabilized Sludge	Date Received (lab):	4/23/12
Source:	Sample provided by RECON	Time Received (lab):	4:30PM
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No. / Ticket No.		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDG5-042012	5/18/2012	28	22.1	6.011	3.008	2.0	7.11	570	80

Notes: Curing method unknown

**Correction factor applied for method B: YES / NO

Technician: EEH

Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

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Tolunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.911 — Date: 5/15/12 — CELL 18
Project Name: El Paso Phase II / 2-3529 — Tech: RC
Client Name: Remedial Construction Services, L.P.
Address: 9977 West Sam Houston Parkway North, Suite 100
Houston, Tx. 77064
Sample ID: ELDKS-GRDE2-041712
Description: Stabilized Sludge

Before Test			After Test				
Specimin Data			Specimin Data				
Length(in)	5.99		Length(in)	5.98			
Diameter(in)	3.00		Diameter(in)	3.00			
Length(cm)	15.23		Length(cm)	15.19			
Diameter(cm)	7.63		Diameter(cm)	7.62			
Specific Gravity	2.85	Assumed					
Wet Weight(gm)	1159.57		Wet Weight(gm)	1201.44	Avg		
Area(cm²)	45.68		Area(cm)	45.65			
Volume(cc)	695.44		Volume(cc)	693.24			
Moisture Data			Moisture Data				
Wet Wt.+Tare(gm)	1460.46		Wet Wt. + Tare	1502.3			
Dry Wt.+Tare(gm)	1081.72		Dry Wt. + Tare	1081.7			
Tare Weight(gm)	300.89		Tare Weight	300.89			
Moisture(%)	48.50		Moisture(%)	63.87			
Weight/Volume Data			Weight/Volume Data				
Wet Weight(pcf)	104.1		Wet Weight(pcf)	108.2			
Dry Weight(pcf)	70.1		Dry Weight(pcf)	70.3			
Vol.Voids(cc)	420.9		Vol.Voids(cc)	419.9			
Void Ratio	1.533		Void Ratio	1.536			
Saturation(%)	90.2		Saturation(%)	100.0			
Cell(psi)	55		a-in (cm³)	0.7671			
Backpressure(psi)	50		a-out (cm³)	0.0314			

BEFORE	
DIA	LENGTH
3.002	5.978
3.005	5.991
3.000	6.023
3.000	5.989
3.005	5.990
3.002	5.994
AFTER	
DIA	LENGTH
3.000	5.972
3.005	5.976
3.002	6.015
3.000	5.964
3.000	5.969
3.001	5.979

Test Constants	
M1=	0.03018
M2=	1.040953
S=	0.332714
G=	12.542
C=	0.000801

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
5/21/2012	12:00:10 PM	0	68.9	20.5	124	12.82	9.9		
	12:00:20 PM	10	68.9	20.5	123	12.66	9.8	0.09346	7.5E-07
	12:00:20 PM	0	68.9	20.5	123	12.66	9.8		
	12:00:30 PM	10	68.9	20.5	122	12.70	9.7	0.09434	7.5E-07
	12:00:30 PM	0	68.9	20.5	122	12.70	9.7		
	12:00:40 PM	10	68.9	20.5	121	12.74	9.7	0.09524	7.6E-07
	12:00:40 PM	0	68.9	20.5	121	12.74	9.7		
	12:00:50 PM	10	68.9	20.5	120	12.78	9.6	0.09615	7.7E-07

Coefficient of permeability, k20° (cm/sec) 7.6E-07

Calculated By: EEH — Date: 5/22/12 — Reviewed By: TB — Date: 5/22/12

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Tolunay-Wong Engineers, Inc.

ASTM D 5084, Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.911 — Date: 5/17/12 — CELL 6
Project Name. El Paso Phase II / 2-3529 — Tech. RC
Client Name: Remedial Construction Services, L.P.
Address: 9977 West Sam Houston Parkway North, Suite 100
Houston, Tx. 77064
Sample ID: ELDKS-GRDG7-041912
Description: Stabilized Sludge

Before Test			After Test				
Specimin Data			Specimin Data				
Length(in)	6.05		Length(in)	6.05			
Diameter(in)	3.00		Diameter(in)	3.00			
Length(cm)	15.37		Length(cm)	15.38			
Diameter(cm)	7.63		Diameter(cm)	7.62			
Specific Gravity	2.85	Assumed					
Wet Weight(gm)	1171.16		Wet Weight(gm)	1208.69	Avg.		
Area(cm²)	45.75		Area(cm)	45.65			
Volume(cc)	703.01		Volume(cc)	701.19			
Moisture Data			Moisture Data				
Wet Wt.+Tare(gm)	1550.76		Wet Wt. + Tare	1588.3			
Dry Wt.+Tare(gm)	1164.18		Dry Wt. + Tare	1164.2			
Tare Weight(gm)	379.6		Tare Weight	379.6			
Moisture(%)	49.27		Moisture(%)	54.08			
Weight/Volume Data			Weight/Volume Data		Avg.		
Wet Weight(pcf)	104.0		Wet Weight(pcf)	107.6			
Dry Weight(pcf)	69.7		Dry Weight(pcf)	69.9			
Vol.Voids(cc)	427.1		Vol.Voids(cc)	428.5			
Void Ratio	1.548		Void Ratio	1.553			
Saturation(%)	90.7		Saturation(%)	99.2			
Cell(psi)	50		a-in (cm³)	0.7671			
Backpressure(psi)	45		a-out (cm³)	0.0314			

BEFORE	
DIA	LENGTH
3.006	6.048
3.004	6.050
3.007	6.047
3.002	6.055
3.005	6.049
3.005	6.050
AFTER	
DIA	LENGTH
3.005	6.047
3.000	6.047
3.000	6.047
3.000	6.047
3.003	6.047
3.002	6.047

Test Constants	
M1=	0.03018
M2=	1.040953
S=	0.338442
G=	12.542
C=	0.000810

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
5/21/2012	7:36:00 AM	0	69.08	20.6	187	10.04	15.6		
	7:37:00 AM	60	69.08	20.6	186	10.08	15.5	0.05882	7.9E-08
	7:37:00 AM	0	69.08	20.6	186	10.08	15.5		
	7:38:00 AM	60	69.08	20.6	185	10.12	15.4	0.05917	7.9E-08
	7:38:00 AM	0	69.08	20.6	185	10.12	15.4		
	7:39:00 AM	60	69.08	20.6	184	10.16	15.3	0.05952	8.0E-08
	7:39:00 AM	0	69.08	20.6	184	10.16	15.3		
	7:40:00 AM	60	69.08	20.6	183	10.20	15.2	0.05988	8.0E-08

Coefficient of permeability, k20° (cm/sec) 8.0E-08

Calculated By: EEH — Date: 5/22/12 — Reviewed By: TB — Date: 5/22/12

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Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 * Houston, TX 77031 * (713) 722-7064 * Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-0095

Project No.: 11.18.911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064

Report No.:

Date: May 25, 2012

Material:	Stabilized Sludge	Date Received (lab):	5/11/12
Source:	Sample provided by RECON	Time Received (lab):	12:58pm
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No. / Ticket No.		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDL6-042712	5/25/2012	28	27.4	5.951	3.015	2.0	7.14	1280	195

Notes: Curing method unknown

**Correction factor applied for method B: YES / NO

Technician: EEH

Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

Our letters and reports shall not be reproduced without prior written approval from TWEI. Our letters and reports apply only to the items and/or materials tested and/or inspected

Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 * Houston, TX 77031 * (713) 722-7064 * Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-0095

Project No.: 11.18.911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064

Report No.:

Date: May 25, 2012

Material:	Stabilized Sludge	Date Received (lab):	5/24/12
Source:	Sample provided by RECON	Time Received (lab):	1:05pm
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No. / Ticket No.:		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDR5-051112	5/25/2012	14	22.0	5.988	3.025	2.0	7.19	1270	195

Notes: Curing method unknown

**Correction factor applied for method B YES / NO

Technician: EEH

Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 * Houston, TX 77031 * (713) 722-7064 * Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-0095

Project No.: 11.18.911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064

Report No.:

Date: May 28, 2012

Material:	Stabilized Sludge	Date Received (lab):	5/11/12
Source:	Sample provided by RECON	Time Received (lab):	12:58pm
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No. / Ticket No.:		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDM10-043012	5/28/2012	28	25.0	5.991	3.021	2.0	7.17	1210	185

Notes: Curing method unknown

**Correction factor applied for method B YES / NO

Technician: EEH

Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 * Houston, TX 77031 * (713) 722-7064 * Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-0095

Project No.: 11.18.911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064

Report No.:

Date: May 29, 2012

Material:	Stabilized Sludge	Date Received (lab):	5/24/12
Source:	Sample provided by RECON	Time Received (lab):	1:05pm
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No./ Ticket No.:		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDT8-051512	5/29/2012	14	33.7	5.958	3.000	2.0	7.07	290	45

Notes: Curing method unknown

**Correction factor applied for method B: YES / NO

Technician: EEH

Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

Tolunay-Wong Engineers, Inc.

10710 S. Sam Houston Parkway W., Suite 100 * Houston, TX 77031 * (713) 722-7064 * Fax (713) 722-0309

COMPRESSIVE STRENGTH REPORT

Project: El Paso Phase II / 2-3529
PO No. 2-3529-0095

Project No.: 11.18.911

Client: Remedial Constructions Services, L.P.
9720 Derrington
Houston, Tx 77064

Report No.:

Date: May 28, 2012

Material:	Stabilized Sludge	Date Received (lab):	5/11/12
Source:	Sample provided by RECON	Time Received (lab):	12:58pm
Location of Placement:		Time Molded (lab):	N/A
		Compactive Effort:	N/A
Truck No. / Ticket No.:		Test Method:	ASTM D1633 - Method B

COMPRESSIVE STRENGTH TEST RESULTS

Sample ID	Date Tested	Age (days)	Moisture Content (%)	Length (in)	Diameter (in)	L/D Ratio	Area (in²)	Maximum Load (lb)	Compressive Strength (psi)**
ELDKS-GRDN11-050112	5/29/2012	28	22.7	5.963	3.028	2.0	7.20	780	120

Notes: Curing method unknown

**Correction factor applied for method B: YES / NO

Technician: EEH

Reviewed by: FLF

Tolunay-Wong Engineers, Inc.

Tokunay-Wong Engineers, Inc.

ASTM D 5084; Falling Head/Rising Tail Method
Constant Volume Apparatus

Project Number: 11.18.911 Date: 5/23/12 CELL 13
Project Name: El Paso Phase II / 2-3529 Tech: RC
Client Name: Remedial Construction Services, L.P.
Address: 9977 West Sam Houston Parkway North, Suite 100
Houston, Tx. 77064
Sample ID: ELDKS-GRDJ9-042512
Description: Stabilized Sludge

Before Test			After Test				BEFORE	
Specimin Data			Specimin Data				DIA	LENGTH
Length(in)	6.05		Length(in)	6 05			2.999	6.048
Diameter(in)	3.00		Diameter(in)	3.00			3.000	6.048
Length(cm)	15.36		Length(cm)	15.36			3.000	6.048
Diameter(cm)	7.62		Diameter(cm)	7.62			3.000	6.048
							3 008	6.048
Specific Gravity	2.80	Assumed						
Wet Weight(gm)	1169.72		Wet Weight(gm)	1222.08		Avg.	3.001	6.048
Area(cm²)	45.65		Area(cm)	45.63			AFTER	
Volume(cc)	701.21		Volume(cc)	700.93			DIA	LENGTH
Moisture Data			Moisture Data				3 000	6 048
Wet Wt.+Tare(gm)	1549.32		Wet Wt. + Tare	144.87			3 005	6.045
Dry Wt.+Tare(gm)	1279.80		Dry Wt. + Tare	106.33			3.000	6.048
Tare Weight(gm)	379.6		Tare Weight	30 6			3 000	6.048
Moisture(%)	29.94		Moisture(%)	50.89			3 000	6.047
Weight/Volume Data			Weight/Volume Data			Avg	3.001	6.047
Wet Weight(pcf)	104.1		Wet Weight(pcf)	108.8				
Dry Weight(pcf)	80.1		Dry Weight(pcf)	72.1			Test Constants	
Vol.Voids(cc)	379.0		Vol.Voids(cc)	412.3			M1=	0.03018
Void Ratio	1.176		Void Ratio	1.429			M2=	1.040953
Saturation(%)	71.3		Saturation(%)	99.7			S=	0.336588
Cell(psi)	50		a-In (cm²)	0.7671			G=	12.542
Backpressure(psi)	45		a-out (cm²)	0.0314			C=	0.000810

Actual Date (mm/dd/yy)	Actual Time (hh:mm:ss)	Elapsed Time (seconds)	Temperature (Fahren.)	Temperature (Cels)	a - in Outflow (mm)	a - out Inflow (mm)	Gradient	Trial Constant T	Hydraulic Conductivity (20C,cm/sec)
5/29/2012	6:17:00 AM	0	68.9	20.5	160	11.14	13.1		
	6:18:00 AM	60	68.9	20.5	159	11.18	13.0	0.06993	9.4E-08
	6:18:00 AM	0	68.9	20.5	159	11.18	13.0		
	6:19:00 AM	60	68.9	20.5	158	11.22	12.9	0.07042	9.5E-08
	6:19:00 AM	0	68.9	20.5	158	11.22	12.9		
	6:20:00 AM	60	68.9	20.5	157	11.27	12.8	0.07092	9.5E-08
	6:20:00 AM	0	68.9	20.5	157	11.27	12.8		
	6:21:00 AM	60	68.9	20.5	156	11.31	12.8	0.07143	9.8E-08
								Coefficient of permeability, k20° (cm/sec)	9.5E-08

Calculated By: TB Date: 5/30/12 Reviewed By: EEH Date. 5/30/12

Our letters and reports are for the exclusive use of the CLIENT. This document shall not be reproduced, except in full, with out our prior written approval. Our letters and reports apply only to the material(s) tested and/or inspected and are not necessarily indicative of the quality of apparently identical material(s).

Terracon

July 18, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated For your reference, a listing of the attached reports is as follows:

Service Date	Description
07/15/12	Laboratory Compaction Characteristics Of Soil (0021)
07/15/12	Laboratory Compaction Characteristics Of Soil (0022)
07/15/12	Laboratory Compaction Characteristics Of Soil (0023)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)
cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mshglobal.com

Terracon Consultants Inc. 1815 S. Eisenhower Wichita, KS 67209
P (316) 262 0171 F (316) 262 0567 terracon.com

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Terracon
1815 S Eisenhower
Wichita, KS 67209
316-262-0171

Report Number: 01111181.0021
Service Date: 07/15/12
Report Date: 07/18/12

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Project Number 01111181

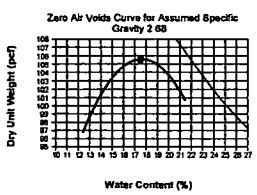
Material Information
Source of Material: On-Site
Proposed Use: Cap

Sample Information
Sample Date: 07/12/12
Sampled By: Contractor
Sample Location: Recon Southwest Pond Bottom
Sample Description: Brown Lean to Fat Clay

Laboratory Test Data
Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 105.5
Optimum Water Content (%): 17.5

	Result	Specifications
Liquid Limit:	50	
Plastic Limit:	19	
Plasticity Index:	31	
In-Place Moisture (%):		

USCS:



Comments:

Services: Perform Standard Proctor Test

Terracon Rep.:
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mshglobal.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CMJ06, 5-27-11, Rev 0

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Terracon
1815 S Eisenhower
Wichita, KS 67209
316-262-0171

Report Number: 01111181.0022
Service Date: 07/15/12
Report Date: 07/18/12

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Project Number 01111181

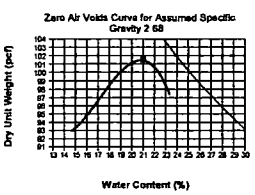
Material Information
Source of Material: On-Site
Proposed Use: Cap

Sample Information
Sample Date: 07/12/12
Sampled By: Contractor
Sample Location: Recon Middle Berm
Sample Description: Red Brown Lean to Fat Clay with Sand

Laboratory Test Data
Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 101.5
Optimum Water Content (%): 21.0

	Result	Specifications
Liquid Limit:	49	
Plastic Limit:	22	
Plasticity Index:	27	
In-Place Moisture (%):		

USCS:



Comments:

Services: Perform Standard Proctor Test

Terracon Rep.:
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mshglobal.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CMJ06, 5-27-11, Rev 0

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Report Number: 01111181.0023
Service Date: 07/15/12
Report Date: 07/18/12

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

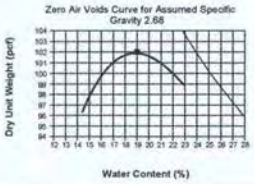
Material Information
Source of Material: On-Site
Proposed Use: Cap

Sample Information
Sample Date: 07/12/12
Sampled By: Terracon
Sample Location: Recon West Berm on West Pond (North & South)
Sample Description: Red Brown Lean to Fat Clay

Laboratory Test Data
Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 102.0
Optimum Water Content (%): 19.0

	Result	Specifications
Liquid Limit:	50	
Plastic Limit:	21	
Plasticity Index:	29	
In-Place Moisture (%):		

USCS:



Comments:

Services: Perform Standard Proctor Test

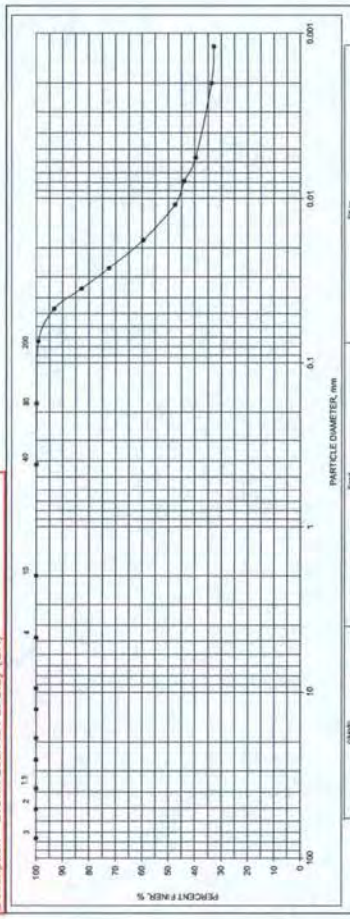
Terracon Rep.:
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mobil.com

Reviewed By:
rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.
CR006, 8.2*11, Rev.6

Sample Location - SW Pond Berm
Optimum Water Content = 17.5%
Hydraulic Conductivity (k) = 7.1E-06 cm/sec
Description = Brown Lean to Fat Clay (CH)



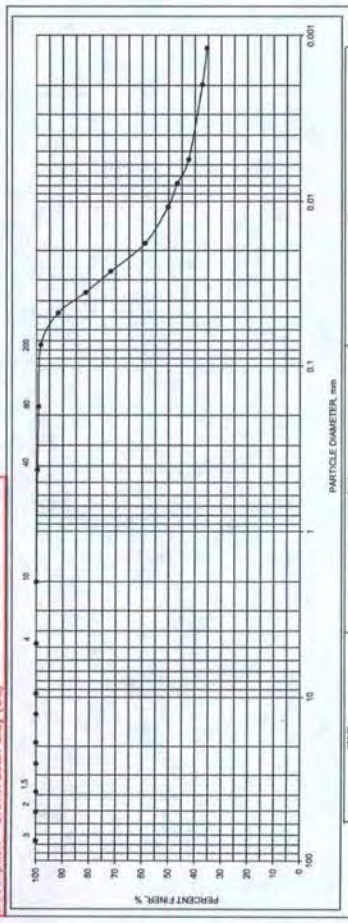
GRAIN SIZE DISTRIBUTION CURVE

BORING NO.	SAMPLE NO.	DEPTH, feet	DESCRIPTION	UNIFIED SYMBOL	NAT. WC, %	ATTERBERG LIMITS LL	PL	PI
0.1021			Brown Lean to Fat Clay	CH		50	19	31

PROJECT El Paso Refinery JOB NO. 01111181 DATE 7/18/2012

Terracon

Sample Location - Middle Berm
Optimum Water Content = 21.0%
Hydraulic Conductivity (k) = 1.2E-07 cm/sec
Description = Brown Lean Clay (CL)



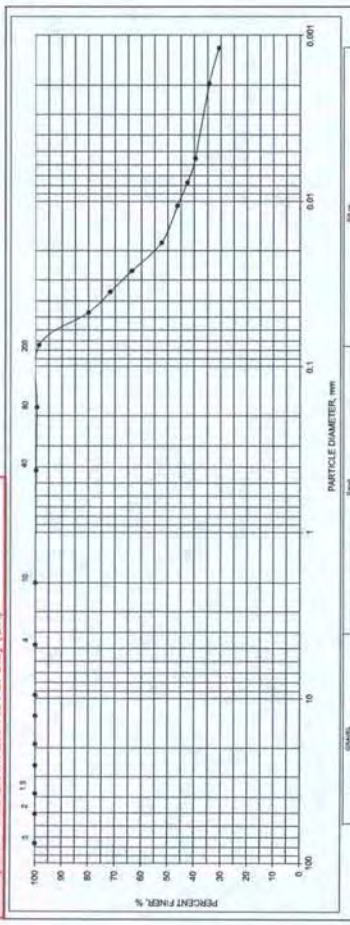
GRAIN SIZE DISTRIBUTION CURVE

BORING NO.	SAMPLE NO.	DEPTH, feet	DESCRIPTION	UNIFIED SYMBOL	NAT. WC, %	ATTERBERG LIMITS LL	PL	PI
0.0022			Brown Lean Clay	CL		48	22	27

PROJECT El Paso Refinery JOB NO. 01111181 DATE 7/18/2012

Terracon

Sample Location - West Berm on West Pond (North & South Side)
Optimum Water Content = 19.0%
Hydraulic Conductivity (k) = 4.2E-05 cm/sec
Description = Red Brown Lean to Fat Clay (CH)



GRAIN SIZE DISTRIBUTION CURVE

BORING NO.	SAMPLE NO.	DEPTH, feet	DESCRIPTION	UNIFIED SYMBOL	NAT. WC, %	ATTERBERG LIMITS LL	PL	PI
0.0023			Red Brown Lean to Fat Clay	CH		50	21	29

PROJECT El Paso Refinery JOB NO. 01111181 DATE 7/18/2012

Terracon

Terracon

July 24, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
07/24/12	Laboratory Services (0024)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)
cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, susan.h.klaus@mshglobal.com

Terracon Consultants, Inc. 1315 S Ellsworth Wichita, KS 67209
P (316) 262 0171 F (316) 262 0757 terracon.com

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE: Material .0023 — DATE: 7/24/2012
ID: Remolded Sample
DESCR.: Red Brown Lean to Fat Clay

Humboldt Cell — BURETTE Area 0.2 cm^2

INITIAL						FINAL					
MOISTURE%		DENSITY				MOISTURE%		DENSITY			
W & T, g	248.00	WET WT, g	376.3			W & T, g	402.90	WET WT, g	395.8		
D & T, g	206.1	DIA, in	2.80	7.11	cm	D & T, g	320.1	DIA, in	2.80	7.11	cm
T, g	6.9	HT, in	2.03	5.08	cm	T, g	6.6	HT, in	2.01	5.11	cm
		AREA		39.73	cm^2			AREA		39.73	cm^2
MOIST-URE, %	20.0	DENSITY:	118.4	PCF WET		MOIST-URE, %	26.4	DENSITY:	121.8	PCF WET	
		DENSITY:	97.0	PCF DRY				DENSITY:	96.4	PCF DRY	

SATURATION: LATERAL PRESS.: 63 psi — BACK PRESSURE (=UPPER=LOWER): 60 psi
TEST: LATERAL PRESS.: 63 psi — UPPER: 80 psi — LOWER: 60 psi
BIAS PRESSURE (=LOWER-UPPER) 0 psi

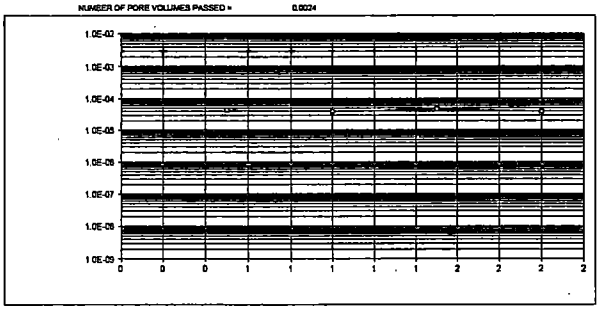
Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP.: C	TEMP. CORR.:
8.14	2.06	0	30.4									
7.84	2.36	1	27.4	0.103900	4.38E-05	0.3	0.3	1.00	6.4	4	20.5	0.992
7.60	2.60	1	25.0	0.091657	3.86E-05	0.24	0.24	1.00	4.9	8	20.5	0.992
7.34	2.86	1	22.4	0.109815	4.63E-05	0.26	0.26	1.00	4.4	10	20.5	0.992
7.14	3.06	2	20.4	0.092528	3.89E-05	0.2	0.2	1.00	4.0	8	20.5	0.992

STANDARD PROCTOR
Maximum Dry Density 102.0 pcf
Optimum Moisture 19.0 %
Remolded to 83.1 % of Max Dry Density
Remolded at 1.0 %OVER Opt. Moisture

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 4.2E-05 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75+	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	6	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0024



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE: Material .0021 — DATE: 7/24/2012
ID: Remolded Sample
DESCR.: Brown Lean to Fat Clay

Humboldt Cell — BURETTE Area 0.3 cm^2

INITIAL						FINAL					
MOISTURE%		DENSITY				MOISTURE%		DENSITY			
W & T, g	252.00	WET WT, g	383.3			W & T, g	410.50	WET WT, g	403.6		
D & T, g	214.3	DIA, in	2.80	7.11	cm	D & T, g	331.7	DIA, in	2.80	7.11	cm
T, g	6.6	HT, in	2.00	5.08	cm	T, g	6.6	HT, in	2.03	5.16	cm
		AREA		39.73	cm^2			AREA		39.73	cm^2
MOIST-URE, %	18.2	DENSITY:	118.6	PCF WET		MOIST-URE, %	34.3	DENSITY:	123.0	PCF WET	
		DENSITY:	100.3	PCF DRY				DENSITY:	89.0	PCF DRY	

SATURATION: LATERAL PRESS.: 63 psi — BACK PRESSURE (=UPPER=LOWER): 60 psi
TEST: LATERAL PRESS.: 63 psi — UPPER: 80 psi — LOWER: 60 psi
BIAS PRESSURE (=LOWER-UPPER) 0 psi

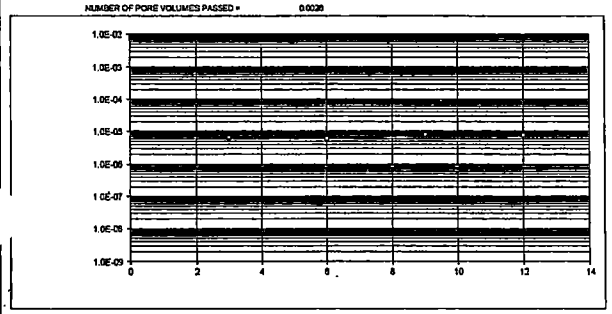
Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP.: C	TEMP. CORR.:
8.10	1.88	0	31.8									
7.88	2.14	3	29.7	0.093260	8.86E-06	0.26	0.26	1.00	8.6	7	20.5	0.992
7.64	2.38	6	26.3	0.067326	6.16E-06	0.24	0.24	1.00	8.2	13	20.5	0.992
7.38	2.60	9	23.5	0.117269	7.94E-06	0.26	0.26	1.00	4.6	12	20.5	0.992
7.12	2.90	12	21.1	0.107727	7.59E-06	0.24	0.24	1.00	4.2	8	20.5	0.992

STANDARD PROCTOR
Maximum Dry Density 105.5 pcf
Optimum Moisture 17.5 %
Remolded to 93.1 % of Max Dry Density
Remolded at 0.7 %OVER Opt. Moisture

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 7.1E-06 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75+	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	6	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0026



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE: Material .0022 — DATE: 7/24/2012
ID: Remolded Sample
DESCR.: Brown Lean Clay

Humboldt Cell — BURETTE Area 0.2 cm^2

INITIAL						FINAL					
MOISTURE%		DENSITY				MOISTURE%		DENSITY			
W & T, g	222.30	WET WT, g	380.5			W & T, g	397.20	WET WT, g	390.4		
D & T, g	183.3	DIA, in	2.80	7.11	cm	D & T, g	318.7	DIA, in	2.80	7.11	cm
T, g	6.5	HT, in	2.00	5.08	cm	T, g	6.5	HT, in	2.02	5.13	cm
		AREA		39.73	cm^2			AREA		39.73	cm^2
MOIST-URE, %	22.1	DENSITY:	117.7	PCF WET		MOIST-URE, %	25.2	DENSITY:	119.6	PCF WET	
		DENSITY:	96.4	PCF DRY				DENSITY:	95.5	PCF DRY	

SATURATION: LATERAL PRESS.: 63 psi — BACK PRESSURE (=UPPER=LOWER): 60 psi
TEST: LATERAL PRESS.: 63 psi — UPPER: 80 psi — LOWER: 60 psi
BIAS PRESSURE (=LOWER-UPPER) 0 psi

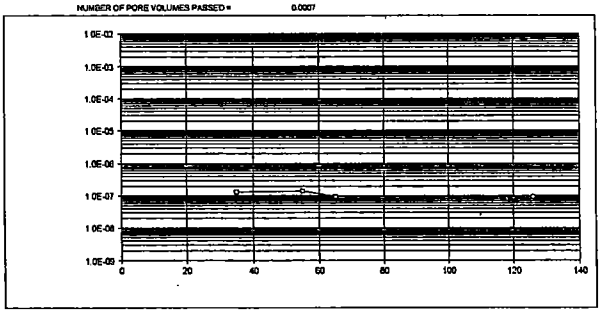
Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP.: C	TEMP. CORR.:
9.74	0.46	0	48.4									
9.64	0.56	33	43.4	0.021757	1.32E-07	0.1	0.1	1.00	8.9	14	20.5	0.992
9.59	0.62	65	44.6	0.013004	1.41E-07	0.06	0.06	1.00	8.8	22	20.5	0.992
9.53	0.64	65	44.8	0.004474	9.46E-08	0.02	0.02	1.00	8.8	16	20.5	0.992
9.44	0.76	126	43.4	0.027274	9.46E-08	0.12	0.12	1.00	8.5	18	20.5	0.992

STANDARD PROCTOR
Maximum Dry Density 101.8 pcf
Optimum Moisture 21.0 %
Remolded to 93.0 % of Max Dry Density
Remolded at 1.1 %OVER Opt. Moisture

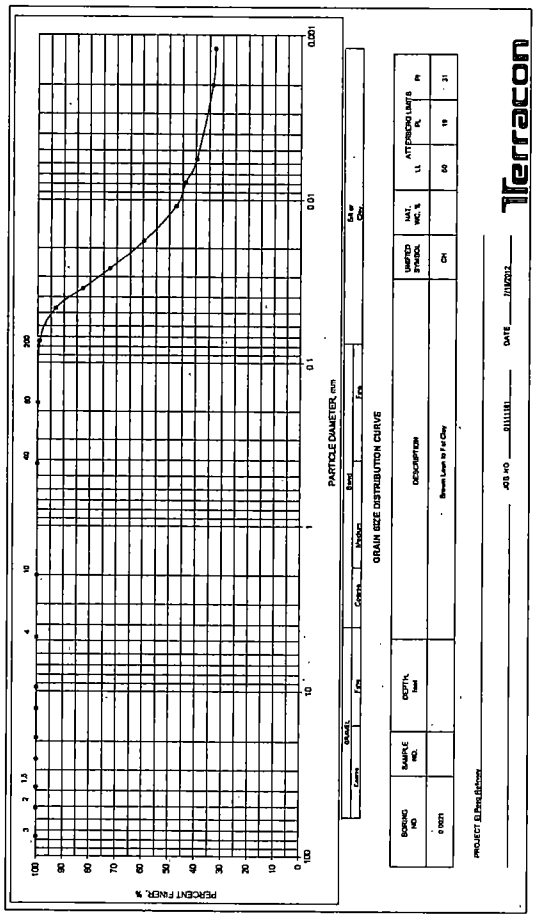
HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.2E-07 cm/sec

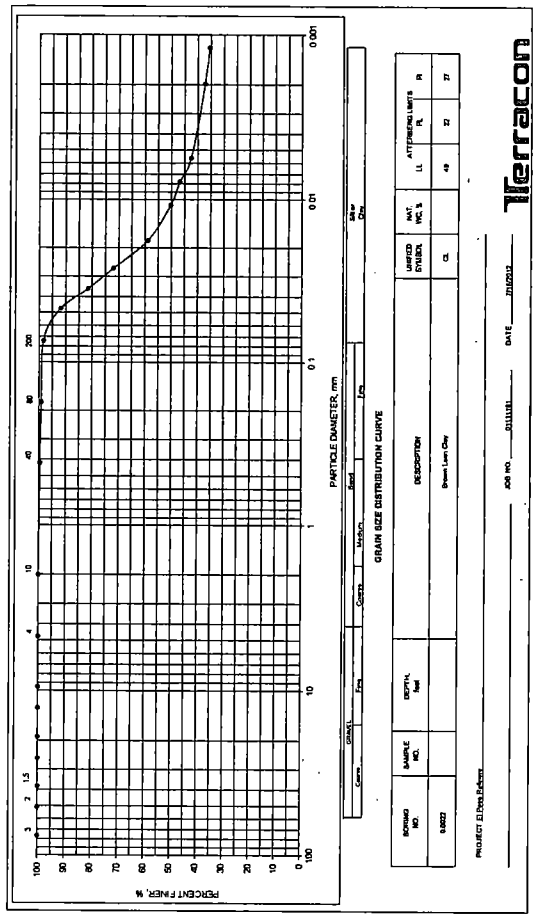
MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75+	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	6	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

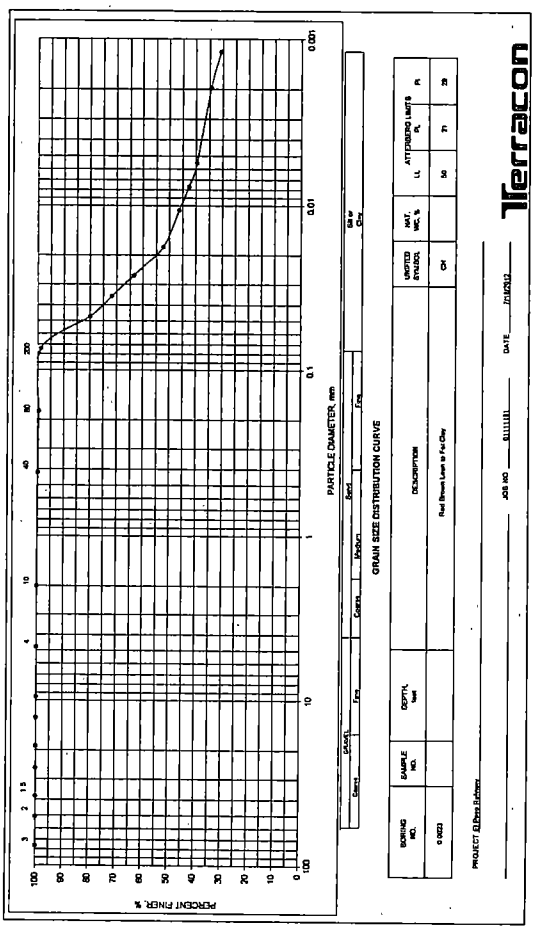
NUMBER OF PORE VOLUMES PASSED = 0.0007



Terracon







Terracon

August 2, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
07/31/12	Field Density Testing (0025)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)

cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Terracon Consultants, Inc. 1815 S. Eisenhower Wichita KS 67209
P (316) 262 0171 F (316) 262 0397 terracon.com

FIELD DENSITY TEST REPORT

Report Number: 01111181.0025
Service Date: 07/31/12
Report Date: 08/02/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	Opt. to +4%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	Primary Pond (Cap Backfill)								
56	West Half / Southeast Area	-3.5'	1	6"	118.5	19.6	19.8	98.9	97
57	West Half / Northwest Area	-3.5'	1	6"	106.4	18.1	20.5	88.3	87 *
58	Retest #57	-3.5'	1	6"	113.2	18.1	19.0	95.1	93 *
59	Retest #58	-3.5'	1	6"	116.0	19.2	19.8	96.8	95

Datum: Top of Final Grade (Cap) **Serial No:** 60245 **Std. Cnt. M:** 709 **Std. Cnt. D:** 2477

Comments: Test and/or retest results on this report meet project requirements as noted above.
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. These field tests represent the moistures and densities of the materials at the times and locations of the tests. As construction proceeds, if the soils become disturbed, or subjected to desiccation or excessive wetting from inclement weather, the soils may not be suitable for support of the proposed construction and corrective action will be required. The soils should be carefully re-evaluated prior to placement of either the next lift of fill, foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked; moisture conditioned, and properly compacted to comply with project recommendations/specifications.
**The contractor's representative requested that we remain on-site as they rework the failed test locations. Retest of the failed tests performed today were reported to the contractor's representative

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Richard L. Burkhart
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@rcsconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CR0007, 6-17-12, Rev.3

Terracon

August 8, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/04/12	Laboratory Services (0027)
08/06/12	General Observation (0026)
08/07/12	Field Density Testing (0028)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)
cc: (1) Remedial Construction Services LP, matt.meyers@rcsconservices.com, (1) Remedial Construction Services LP, carlos.garnica@rcsconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

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MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE ID: 0.0021 (2) — DATE: 8/4/2012
DESCR.: Remolded Sample — Brown Lean to Fat Clay

Humboldt Cell — BURETTE Area: 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	211.00	WET WT, g	392.3		W & T, g	413.80	WET WT, g	408.5	
D & T, g	177.9	DIA, in	2.80	7.11 cm	D & T, g	337.7	DIA, in	2.80	7.11 cm
T, g	8.0	HT, in	2.00	5.08 cm	T, g	7	HT, in	2.00	5.08 cm
		AREA		39.73 cm^2			AREA		39.73 cm^2
MOIST-URE, %	19.3	DENSITY	121.4	PCF WET	MOIST-URE, %	23.0	DENSITY	125.6	PCF WET
		DENSITY	101.7	PCF DRY			DENSITY	102.3	PCF DRY

SATURATION: LATERAL PRESS 83 psi — BACK PRESSURE (=UPPER+LOWER): 80 psi
TEST: LATERAL PRESS 83 psi — UPPER: 80 psi — LOWER: 81 psi
BIAS PRESSURE (=LOWER-UPPER): 1 psi

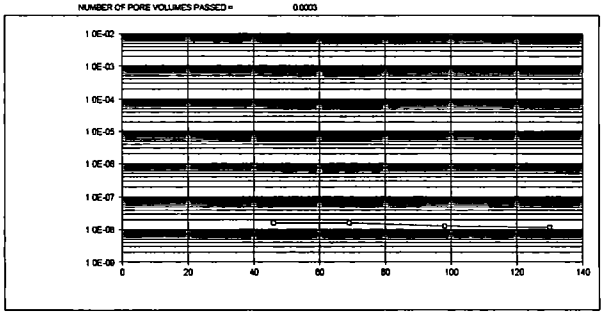
Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP C	TEMP CORR.
9.26	1.10	0	40.9									
9.24	1.14	48	40.5	0.002823	1.61E-06	0.04	0.04	1.00	21.6	14	21.7	0.963
9.23	1.16	89	40.3	0.001807	1.61E-06	0.02	0.02	1.00	21.8	14	21.7	0.963
9.20	1.18	98	40.1	0.001810	1.26E-06	0.02	0.02	1.00	21.7	9	21.7	0.963
9.18	1.20	130	39.9	0.001813	1.16E-06	0.02	0.02	1.00	21.7	18	21.8	0.960

STANDARD PROCTOR: Maximum Dry Density 105.5 pcf; Optimum Moisture 17.5 %
Remolded to 96.4 % of Max Dry Density; Remolded at 1.8 % OVER Opt. Moisture

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.4E-08 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	6	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	>1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0003



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE ID: 0.0023 (2) — DATE: 8/4/2012
DESCR.: Remolded Sample — Brown Lean to Fat Clay

Humboldt Cell — BURETTE Area: 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	203.00	WET WT, g	397.4		W & T, g	409.70	WET WT, g	402.8	
D & T, g	166.1	DIA, in	2.80	7.11 cm	D & T, g	327.4	DIA, in	2.80	7.11 cm
T, g	7	HT, in	2.01	5.11 cm	T, g	8.9	HT, in	2.03	5.16 cm
		AREA		39.73 cm^2			AREA		39.73 cm^2
MOIST-URE, %	21.7	DENSITY	119.2	PCF WET	MOIST-URE, %	25.7	DENSITY	122.8	PCF WET
		DENSITY	98.0	PCF DRY			DENSITY	97.7	PCF DRY

SATURATION: LATERAL PRESS 83 psi — BACK PRESSURE (=UPPER+LOWER): 80 psi
TEST: LATERAL PRESS 83 psi — UPPER: 80 psi — LOWER: 81 psi
BIAS PRESSURE (=LOWER-UPPER): 1 psi

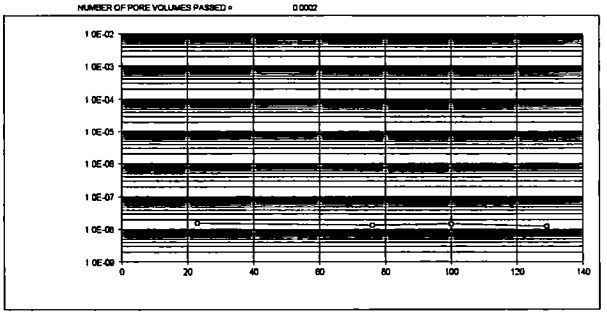
Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP C	TEMP CORR.
9.48	0.92	0	42.8									
9.46	0.94	23	42.6	0.001770	1.57E-08	0.02	0.02	1.00	22.1	10	22.2	0.951
9.42	0.98	76	42.2	0.003549	1.38E-08	0.04	0.04	1.00	22.0	4	22.2	0.951
9.40	1.00	100	42.0	0.001779	1.51E-08	0.02	0.02	1.00	22.0	6	22.2	0.951
9.38	1.02	129	41.8	0.001782	1.25E-08	0.02	0.02	1.00	22.0	12	22.2	0.951

STANDARD PROCTOR: Maximum Dry Density 102.0 pcf; Optimum Moisture 19.0 %
Remolded to 98.1 % of Max Dry Density; Remolded at 2.7 % OVER Opt. Moisture

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.4E-08 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	>1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0002



Terracon

GENERAL OBSERVATION REPORT

Report Number: 01111181.0026
Service Date: 08/06/12
Report Date: 08/08/12

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

On August 6, 2012 Terracon personnel provided observation and testing services for the above-referenced project. Our services were provided on a part-time, as requested basis when we were notified of areas ready for testing. The requested services on this date consisted of performing field density testing on the cap material used in both the primary pond and the west oxidation pond.

A Terracon representative performed three field density tests on the newly constructed cap fill for the northwest corner of the west oxidation pond. Results from the three field density tests yielded results not meeting both the moisture and dry density requirements as stated in Table 19 of the Quality Control Testing Summary. The contractor raked back the areas where we performed our field density tests to expose a black oily substance. We stated to the contractor's representative that the black oily substance can adversely affect our nuclear density gauge by giving us a high moisture reading and low dry density reading. The contractor's representative requested that we perform additional field density tests on newly constructed cap fill for the southeast corner of the primary pond. Results from the two field density tests yielded results meeting dry density requirements but not meeting moisture requirements as stated in Table 19. The contractor raked back the areas where we performed our field density tests to expose additional oily substance throughout our test location. The contractor's representative requested that the five field density tests performed today not be recorded and that no further field density tests were needed for today. We reported our results to the contractor's representative prior to leaving the site.

As construction proceeds, the subgrade may be disturbed due to utility excavations, construction traffic, desiccation, or excessive wetting from inclement weather. As a result, the subgrade may not be suitable for construction and corrective action will be required. The subgrade should be carefully re-evaluated at the time of construction for signs of disturbance or excessive rutting. If disturbance/desiccation has occurred, subgrade areas should be reworked, moisture conditioned, and properly compacted to the recommendations/specifications.

Services:

Terracon Rep.: Kevin McKinney
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com

Reviewed By:
rvw1: wcp
William C. Perng
Technician IV (CMT)

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT

Report Number: 01111181.0028
Service Date: 08/07/12
Report Date: 08/08/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	Opt. to +4%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	Primary Pond (Cap Backfill)								
60	Northeast Corner	1st Lift	1	6"	120.3	20.2	20.2	100.1	98
61	Southeast Corner	1st Lift	1	6"	121.3	20.0	19.7	101.3	99
	West Oxidation Pond (Cap Backfill)								
62	North Quarter / North End	1st Lift	1	6"	116.1	18.8	19.3	97.3	95
63	North Quarter / North of Middle Area	1st Lift	1	6"	121.1	21.8	22.0	99.3	97
64	North Quarter / East End	1st Lift	1	6"	118.6	21.5	22.1	97.1	95
65	North Quarter / South Middle Area	1st Lift	1	6"	116.4	19.4	20.0	97.0	95

Datum: Top of Cap **Serial No:** 25347 **Std. Cnt. M:** 740 **Std. Cnt. D:** 2661

Comments: **Test and/or retest results on this report meet project requirements as noted above.**
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. These field tests represent the moistures and densities of the materials at the times and locations of the tests. As construction proceeds, if the soils become disturbed, or subjected to desiccation or excessive wetting from inclement weather, the soils may not be suitable for support of the proposed construction and corrective action will be required. The soils should be carefully re-evaluated prior to placement of either the next lift of fill, foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked; moisture conditioned, and properly compacted to comply with project recommendations/specifications.
**Fill material tested today has a USCS classification of CL per ASTM D2487.

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT

Report Number: 01111181.0028
Service Date: 08/07/12
Report Date: 08/08/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Kevin McKinney
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com

Reviewed By:
rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Terracon

August 13, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/08/12	Field Density Testing (0029)
08/09/12	Laboratory Compaction Characteristics Of Soil (0031)
08/09/12	Field Density Testing (0032)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)

cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, carlos.garnica@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Terracon Consultants, Inc 1815 S. Eisenhower Wichita, KS 67209
P [316] 262 0171 F [316] 262 8697 terracon.com

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

FIELD DENSITY TEST REPORT

Report Number: 01111181.0029
Service Date: 08/08/12
Report Date: 08/13/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	)pt. to +5%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	West Oxidation Pond (Cap Backfill)								
66	North Middle Quarter / North Middle Area	1st Lift	1	4"	115.5	18.4	19.0	97.1	95
67	North Middle Quarter / East Middle Area	1st Lift	1	4"	113.2	18.3	19.3	94.9	93 *
68	Retest #67	1st Lift	1	4"	116.7	19.8	20.4	96.9	95
69	North Middle Quarter / Southeast of Middle Area	1st Lift	1	4"	120.2	23.0	23.7	97.2	95
70	North Middle Quarter / East Middle Area	1st Lift	1	4"	119.4	19.1	19.0	100.3	98
71	North Middle Quarter / South Middle Area	1st Lift	1	4"	125.4	20.6	19.7	104.8	100+
72	North Middle Quarter / Southwest of Middle Area	1st Lift	1	4"	121.4	18.5	18.0 *	102.9	100+
73	Retest #72	1st Lift	1	4"	118.8	19.0	19.0	99.8	98
74	North Middle Quarter / Northwest Area	1st Lift	1	4"	117.3	19.0	19.3	98.3	96
75	South Middle Quarter / Northwest Area	1st Lift	1	4"	120.2	19.6	19.5	100.6	99
76	South Middle Quarter / West of Middle Area	1st Lift	1	4"	115.8	18.5	19.0	97.3	95
77	South Middle Quarter / Southwest Area	1st Lift	1	4"	117.8	20.0	20.5	97.8	96
78	South Middle Quarter / South Middle Area	1st Lift	1	4"	117.2	19.5	20.0	97.7	96

Datum: 1st Lift **Serial No:** 25347 **Std. Cnt. M:** 740 **Std. Cnt. D:** 2661

Comments: Test and/or retest results on this report meet project requirements as noted above.

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials

FIELD DENSITY TEST REPORT

Report Number: 01111181.0029
Service Date: 08/08/12
Report Date: 08/13/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. These field tests represent the moistures and densities of the materials at the times and locations of the tests. As construction proceeds, if the soils become disturbed, or subjected to desiccation or excessive wetting from inclement weather, the soils may not be suitable for support of the proposed construction and corrective action will be required. The soils should be carefully re-evaluated prior to placement of either the next lift of fill, foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked; moisture conditioned, and properly compacted to comply with project recommendations/specifications.
**Fill material tested today has a USCS classification of CL per ASTM D2487.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Kevin McKinney
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garcia@reconservices.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Report Number: 01111181.0031
Service Date: 08/09/12
Report Date: 08/13/12

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number 01111181

Material Information

Source of Material: On-Site
Proposed Use: Cap

Sample Information

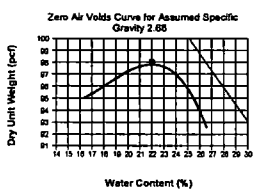
Sample Date: 08/07/12
Sampled By: Terracon
Sample Location: Southwest Section of West Pond Berm
Sample Description: Red Brown Fat Clay

Laboratory Test Data

Test Procedure: ASTM D698
Test Method: Method B
Sample Preparation: Wet
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 98.0
Optimum Water Content (%): 22.0

	Result	Specifications
Liquid Limit:	50	
Plastic Limit:	24	
Plasticity Index:	26	
In-Place Moisture (%):		
Passing #200 (%):	97.6	

USCS:



Comments:

Services: Perform Standard Proctor Test

Terracon Rep.:
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garcia@reconservices.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT

Report Number: 01111181.0032
Service Date: 08/09/12
Report Date: 08/13/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	)pt. to +5%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	West Oxidation Pond (Cap Backfill)								
79	South Middle Quarter / West End	1st Lift	1	4"	123.1	22.3	22.1	100.8	99
80	South Middle Quarter / Northwest of Middle Area	1st Lift	1	4"	119.3	19.6	19.7	99.7	98
81	South Middle Quarter / West Middle Area	1st Lift	1	4"	118.1	19.8	20.1	98.3	96
82	South Middle Quarter / Southeast of Middle Area	1st Lift	1	4"	120.7	20.6	20.6	100.1	98
83	South Quarter / West End	1st Lift	1	4"	118.7	22.0	22.8	96.7	95

Datum: 1st Lift **Serial No:** 25347 **Std. Cnt. M:** 740 **Std. Cnt. D:** 2661

Comments: Test and/or retest results on this report meet project requirements as noted above.
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. These field tests represent the moistures and densities of the materials at the times and locations of the tests. As construction proceeds, if the soils become disturbed, or subjected to desiccation or excessive wetting from inclement weather, the soils may not be suitable for support of the proposed construction and corrective action will be required. The soils should be carefully re-evaluated prior to placement of either the next lift of fill, foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked; moisture conditioned, and properly compacted to comply with project recommendations/specifications
**Fill material tested today has a USCS classification of CL per ASTM D2487.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Kevin McKinney
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garcia@reconservices.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Terracon

August 15, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/13/12	Field Density Testing (0033)
08/15/12	Laboratory Services (0037)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)

cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, carlos.garnica@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Terracon Consultants Inc 1815 S Eisenhower Wichita, KS 67209
P (316) 262 0171 F (316) 267 6867 terracon.com

FIELD DENSITY TEST REPORT

Report Number: 01111181.0033
Service Date: 08/13/12
Report Date: 08/15/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	>pt. to +5%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	West Oxidation Pond (Cap Backfill)								
84	South Middle Quarter / East of Middle Area	1st Lift	1	4"	118.4	20.3	20.7	98.1	96
85	South Middle Quarter / East End	1st Lift	1	4"	113.4	17.5	18.3 *	95.9	94 *
86	Retest #85	1st Lift	1	4"	116.5	19.0	19.5	97.5	96
87	South Quarter / North Middle Area	1st Lift	1	4"	118.2	19.6	19.9	98.6	97
88	South Quarter / Northwest Area	1st Lift	1	4"	118.6	22.1	22.9	96.5	95
89	South Quarter / West of Middle Area	1st Lift	1	4"	118.7	20.2	20.5	98.5	97
90	South Quarter / Northeast of Middle Area	1st Lift	1	4"	118.7	20.9	21.4	97.8	96
91	South Quarter / East Middle Area	1st Lift	1	4"	118.2	20.2	20.6	98.0	96
92	South Quarter / Southwest Area	1st Lift	1	4"	117.3	19.6	20.1	97.7	96
93	South Quarter / Southeast Corner	1st Lift	1	4"	121.5	22.0	22.1	99.5	98

Datum: 1st Lift Serial No: 25347 Std. Cnt. M: 731 Std. Cnt. D: 2651

Comments: **Test and/or retest results on this report meet project requirements as noted above.**
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. These field tests represent the moistures and densities of the materials at the times and locations of the tests. As construction proceeds, if the soils become disturbed, or subjected to desiccation or excessive wetting from inclement weather, the soils may not be suitable for support of the proposed construction and corrective action will be required. The soils should be carefully re-evaluated prior to placement of either the next lift of fill, foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked, moisture conditioned, and properly compacted to comply with project recommendations/specifications.

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CR0007, 4-17-12, Rev 3

FIELD DENSITY TEST REPORT

Report Number: 01111181.0033
Service Date: 08/13/12
Report Date: 08/15/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Kevin McKinney
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com

Reviewed By: rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CR0007, 4-17-12, Rev 3

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	N 1/4 NW Corner	DATE	8/14/2012
ID	Shelby Tube Sample, Lift #1		
DESCR.	Brown Dark Brown Lean Clay with Sand		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	245.3	WET WT, g	315.0		W & T, g	327.7	WET WT, g	320.4	
D & T, g	199.9	DIA, in	2.85	7.24 cm	D & T, g	281.6	DIA, in	2.85	7.24 cm
T, g	6.9	HT, in	1.54	3.91 cm	T, g	6.9	HT, in	1.55	3.94 cm
		AREA	41.16	cm^2			AREA		cm^2
MOIST-URE, %	23.6	DENSITY, DENSITY	122.1 PCF WET / 98.8 PCF DRY		MOIST-URE, %	26.0	DENSITY, DENSITY	123.4 PCF WET / 98.0 PCF DRY	

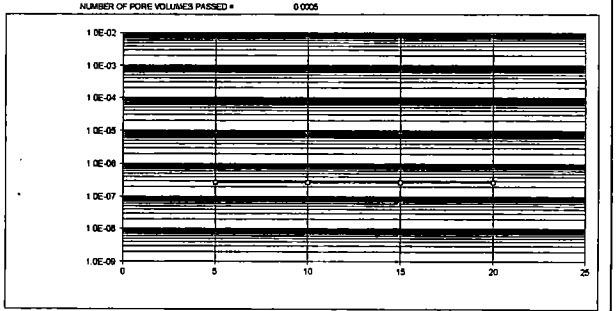
SATURATION:	LATERAL PRESS	83	psi	BACK PRESSURE (UPPER+LOWER)		80	psi
TEST:	LATERAL PRESS.	83	psi	UPPER	80 psi	LOWER.	80 psi
				BIAS PRESSURE (LOWER-UPPER)		0	psi

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP.: C	TEMP. CORR.
9.60	0.44	0	45.8									
9.56	0.48	5	45.4	0.008772	2.65E-07	0.04	0.04	1.00	11.6	1	22.1	0.953
9.52	0.52	10	45.0	0.008850	2.67E-07	0.04	0.04	1.00	11.5	0	22.1	0.953
9.48	0.56	15	44.6	0.008929	2.70E-07	0.04	0.04	1.00	11.4	0	22.1	0.953
9.44	0.60	20	44.2	0.009009	2.72E-07	0.04	0.04	1.00	11.3	1	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 2.7E-07 cm/sec

MAXIMUM HYDRAULIC GRADIENT	1.0E-03 TO 1.0E-04	2	0.75+ RATIO	% < 25 AT > 1.0E-6
	1.0E-04 TO 1.0E-05	5		
	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT < 1.0E-6
	1.0E-07 TO 1.0E-10	30		

NUMBER OF PORE VOLUMES PASSED = 0.0005



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	N 1/4 SW Corner	DATE	8/14/2012
ID	Shelby Tube Sample, Lift #1		
DESCR	Brown and Dark Brown Lean to Fat Clay		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL						FINAL					
MOISTURE%		DENSITY				MOISTURE%		DENSITY			
W & T, g	245.20	WET WT, g	297			W & T, g	313.80	WET WT, g	305.9		
D & T, g	195.8	DIA, in	2.85	7.26	cm	D & T, g	242.8	DIA, in	2.86	7.28	cm
T, g	6.9	HT, in	1.55	3.94	cm	T, g	6.9	HT, in	1.55	3.94	cm
		AREA		41.45	cm^2			AREA			cm^2
MOIST-		DENSITY	113.6	PCF WET		MOIST-		DENSITY	118.9	PCF WET	
URE, %	25.2	DENSITY	90.1	PCF DRY		URE, %	29.7	DENSITY	90.2	PCF DRY	

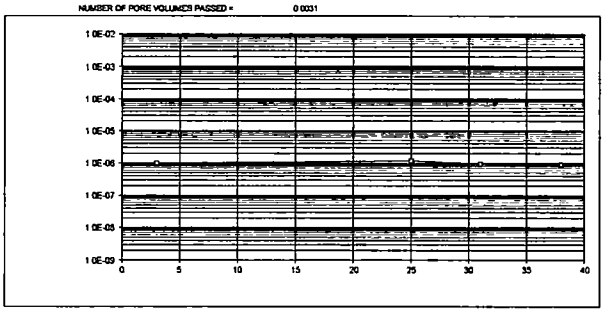
SATURATION	LATERAL PRESS:	83	psi	BACK PRESSURE (=UPPER+LOWER)		80	psi
TEST:	LATERAL PRESS:	83	psi	UPPER	80 psi	LOWER	80 psi
				BIAS PRESSURE (=LOWER-UPPER)		0	psi

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Lo H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR.
9.80	0.58	0	46.1									
9.70	0.66	3	45.2	0.019716	9.97E-07	0.1	0.08	1.25	11.5	1	21.9	0.958
8.94	1.32	25	38.1	0.170883	1.18E-06	0.78	0.68	1.15	9.7	17	21.9	0.958
8.80	1.45	31	36.7	0.037438	9.46E-07	0.14	0.14	1.00	9.3	6	21.9	0.958
8.64	1.60	36	35.2	0.041731	9.04E-07	0.16	0.14	1.14	8.9	10	21.9	0.958

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.0E-06 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-6
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-6

NUMBER OF PORE VOLUMES PASSED = 0.0331



Terracon

Terracon

August 20, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/15/12	Field Density Testing (0036)
08/16/12	Laboratory Services (0038)
08/17/12	Laboratory Compaction Characteristics Of Soil (0041)
08/17/12	Field Density Testing (0039)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)
cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, carlos.garcia@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Terracon Consultants, Inc. 1815 S. Eisenhower Wichita, KS 67209
P (316) 262-0171 F (316) 262-0257 terracon.com

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

FIELD DENSITY TEST REPORT

Report Number: 01111181.0036
Service Date: 08/15/12
Report Date: 08/20/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	)pt. to +5%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	Primary Pond (Cap Backfill)								
94	Northeast Area	2nd Lift	1	6"	119.6	19.2	19.1	100.4	98
95	Southeast Area	2nd Lift	1	6"	126.6	24.5	24.0	102.1	100
96	North Middle Area	2nd Lift	1	6"	120.6	19.7	19.5	100.9	99
97	South Middle Area	2nd Lift	1	6"	119.2	19.1	19.1	100.1	98
98	Southwest Area	2nd Lift	1	6"	118.7	20.3	20.6	98.4	96
99	Northwest Area	2nd Lift	1	6"	118.8	19.6	19.8	99.2	97

Datum: Top of 1st Lift **Serial No:** 38021 **Std. Cnt. M:** 678 **Std. Cnt. D:** 2478

Comments: **Test and/or retest results on this report meet project requirements as noted above.**
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. The soils should be carefully re-evaluated prior to placement of the next lift of fill, or the construction of foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked, moisture conditioned, and properly compacted to comply with project recommendations/specifications. **Full material tested today has a USCS classification of CL per ASTM D2487.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Jeffrey L. Roberts
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, carlos.garcia@reconservices.com
1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Reviewed By: rvw; wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CE0007, 4-17-12, Rev 3

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	N 1/4 SE Corner	DATE:	8/14/2012
ID	Shelby Tube Sample, Lift #1		
DESCR	Dark Brown Lean Clay trace Sand		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL						FINAL					
MOISTURE%		DENSITY				MOISTURE%		DENSITY			
W & T, g	195.8	WET WT, g	292.5			W & T, g	321.0	WET WT, g	313.0		
D & T, g	169.5	DIA, in	2.82	7.16	cm	D & T, g	254.6	DIA, in	2.83	7.19	cm
T, g	7.0	HT, in	1.52	3.86	cm	T, g	7.0	HT, in	1.54	3.91	cm
		AREA		40.30	cm^2			AREA			cm^2
MOIST-		DENSITY	117.4	PCF WET		MOIST-		DENSITY	123.1	PCF WET	
URE, %	18.8	DENSITY	100.5	PCF DRY		URE, %	26.8	DENSITY	97.1	PCF DRY	

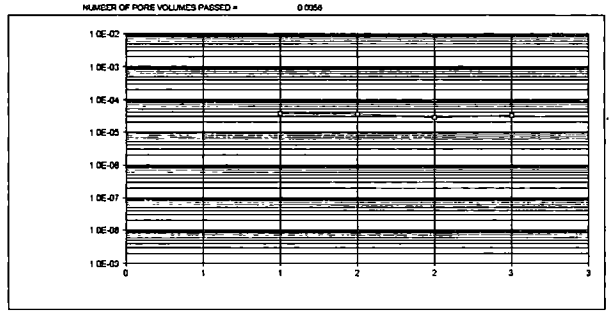
SATURATION:	LATERAL PRESS	83	psi	BACK PRESSURE (=UPPER+LOWER)		80	psi
TEST:	LATERAL PRESS	83	psi	UPPER	80 psi	LOWER	80 psi
				BIAS PRESSURE (=LOWER-UPPER)		0	psi

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Lo H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR.
8.74	0.84	0	40.5									
7.84	1.46	1	31.9	0.236896	3.65E-05	0.9	0.62	1.10	8.3	10	21.9	0.958
7.50	1.62	2	28.4	0.118217	3.58E-05	0.34	0.36	0.94	7.4	7	21.9	0.958
7.26	2.06	2	25.9	0.092146	2.82E-05	0.24	0.26	0.92	6.7	15	21.9	0.958
7.00	2.34	2	23.3	0.105790	3.24E-05	0.26	0.28	1.00	6.0	2	21.9	0.958

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 3.3E-05 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-6
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-6

NUMBER OF PORE VOLUMES PASSED = 0.0356



Terracon

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Report Number: 01111181.0041
Service Date: 08/17/12
Report Date: 08/20/12

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number 01111181

Material Information
Source of Material: On-Site
Proposed Use: Cap

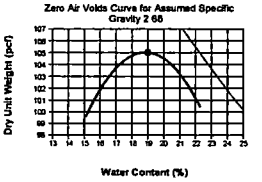
Sample Information
Sample Date: 08/15/12
Sampled By: Terracon
Sample Location: South End Site

Sample Description: Brown/Dark Brown Lean to Fat Clay

Laboratory Test Data
Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 105.0
Optimum Water Content (%): 19.0

	Result	Specifications
Liquid Limit:	45	
Plastic Limit:	20	
Plasticity Index:	25	
In-Place Moisture (%):		

USCS:



Comments:

Services: Perform Standard Proctor Test

Terracon Rep.:
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Reviewed By:
rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CR0006, 8-17-12, Rev 4

FIELD DENSITY TEST REPORT

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Report Number: 01111181.0039
Service Date: 08/17/12
Report Date: 08/20/12
Task:

Client
Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0023	Red Brown Lean to Fat Clay	ASTM D698	19.0	102.0	>pt. to +5%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	West Oxidation Pond (Cap Backfill)								
100	North Quarter / Northwest Area	2nd Lift	1	6"	117.8	18.9	19.1	98.9	97
101	North Quarter / North Middle Area	2nd Lift	1	6"	122.6	20.3	19.8	102.3	100
102	North Quarter / Northeast Area	2nd Lift	1	6"	128.3	24.8	24.0	103.5	100+
103	North Quarter / Southeast Area	2nd Lift	1	6"	122.1	22.2	22.2	99.9	98
104	North Quarter / South Middle Area	2nd Lift	1	6"	121.5	19.9	19.6	101.6	100
105	North Quarter / Southwest Area	2nd Lift	1	6"	120.3	20.0	19.9	100.3	98

Datum: 2nd Lift Serial No: 38021 Std. Cnt. M: 693 Std. Cnt. D: 2478

Comments: **Test and/or retest results on this report meet project requirements as noted above.**
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. The soils should be carefully re-evaluated prior to placement of the next lift of fill, or the construction of foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked, moisture conditioned, and properly compacted to comply with project recommendations/specifications. **Fill material tested today has a USCS classification of CL per ASTM D2487.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Jeffrey L. Roberts
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com

Reviewed By:
rvw1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CR0007, 6-17-12, Rev 5

Terracon

August 21, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/17/12	Laboratory Services (0042)
08/20/12	Laboratory Services (0043)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C Perng
Technician IV (CMT)

cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, carlos.garnica@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Terracon Consultants, Inc. 1815 S. Eisenhower Wichita KS 67209
P (316) 262 0171 F (316) 262 0897 terracon.com

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE ID: #2 SW Corner, E Half, N End — DATE: 6/20/2012
DESCR: Shelby Tube Sample, Lift #1 — Brown Lean Clay with Sand

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	181.4	WET WT, g	365.8		W & T, g	381.1	WET WT, g	374.1	
D & T, g	155.4	DIA, in	2.86	7.25 cm	D & T, g	314.9	DIA, in	2.83	7.19 cm
T, g	6.9	HT, in	1.73	4.39 cm	T, g	6.9	HT, in	1.73	4.39 cm
		AREA		41.30 cm^2			AREA		cm^2
MOISTURE, %	17.5	DENSITY,	126.0	PCF WET	MOISTURE, %	21.6	DENSITY,	131.0	PCF WET
		DENSITY	107.2	PCF DRY			DENSITY	107.7	PCF DRY

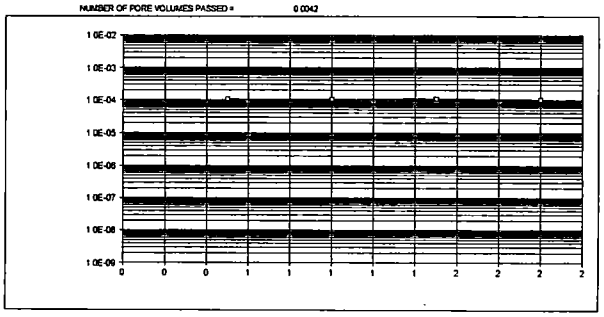
SATURATION:	LATERAL PRESS.	83 psi	BACK PRESSURE (=UPPER-LOWER)		80 psi	
TEST:	LATERAL PRESS.	83 psi	UPPER	80 psi	LOWER	80 psi
			BIAS PRESSURE (=LOWER-UPPER)		0 psi	

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR.
5.64	3.10	0	18.7									
5.34	3.60	0	13.7	0.311128	1.06E-04	0.5	0.5	1.00	3.1	0	21.9	0.956
5.08	3.94	1	10.1	0.304860	1.03E-04	0.36	0.34	1.12	2.3	2	21.9	0.956
5.66	4.22	1	7.3	0.324861	1.10E-04	0.28	0.28	1.00	1.7	5	21.9	0.956
5.48	4.40	2	5.4	0.301479	1.02E-04	0.2	0.18	1.11	1.2	3	21.9	0.956

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.1E-04 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75+	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	< 1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0042



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	South Half, North End	DATE	8/20/2012
ID	Shelby Tube Sample, Lift #1		
DESCR	Brown and Dark Brown Lean to Fat Clay		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	174.2	WET WT, g	234.1		W & T, g	248.4	WET WT, g	239.4	
D & T, g	148.2	DIA, in	2.87	7.29 cm	D & T, g	202.2	DIA, in	2.98	7.32 cm
T, g	7.2	HT, in	1.09	2.77 cm	T, g	8.9	HT, in	1.11	2.82 cm
		AREA		41.74 cm^2			AREA		cm^2
MOIST-		DENSITY	128.5	PCF WET	MOIST-		DENSITY	126.1	PCF WET
URE, %	19.4	DENSITY	108.6	PCF DRY	URE, %	22.6	DENSITY	102.8	PCF DRY

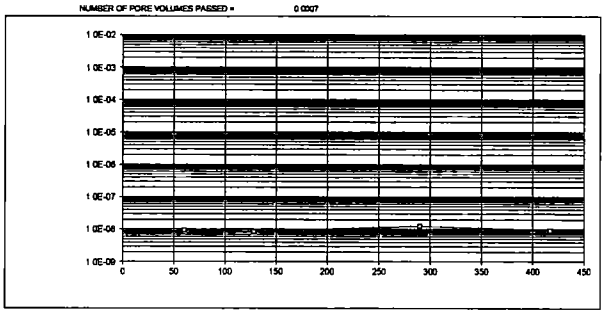
SATURATION	LATERAL PRESS	83	psi	BACK PRESSURE (=UPPER+LOWER)	80	psi	
TEST:	LATERAL PRESS.	83	psi	UPPER 80 psi	LOWER	80	psi
				BIAS PRESSURE (=LOWER-UPPER)	0	psi	

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR
8.48	1.04	0	37.1									
8.44	1.08	60	36.9	0.005405	8.52E-09	0.02	0.02	1.00	13.3	4	22.0	0.956
8.42	1.08	128	36.7	0.005435	8.44E-09	0.02	0.02	1.00	13.3	15	22.0	0.956
8.36	1.16	290	36.0	0.016256	1.26E-08	0.06	0.06	0.75	13.0	28	22.0	0.956
8.32	1.20	417	35.6	0.011173	9.29E-09	0.04	0.04	1.00	12.9	7	22.0	0.956

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.0E-08 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0007



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	B2 S1	DATE	8/20/2012
ID	S. End West (NE) Oxidation Pond Lift #1		
DESCR	Brown Dark Brown Lean Clay with Sand		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	165.7	WET WT, g	304.6		W & T, g	324.2	WET WT, g	317	
D & T, g	140.3	DIA, in	2.85	7.24 cm	D & T, g	281.1	DIA, in	2.85	7.24 cm
T, g	6.9	HT, in	1.49	3.79 cm	T, g	7.1	HT, in	1.51	3.84 cm
		AREA		41.19 cm^2			AREA		cm^2
MOIST-		DENSITY	121.7	PCF WET	MOIST-		DENSITY	129.4	PCF WET
URE, %	19.8	DENSITY	101.6	PCF DRY	URE, %	24.8	DENSITY	100.4	PCF DRY

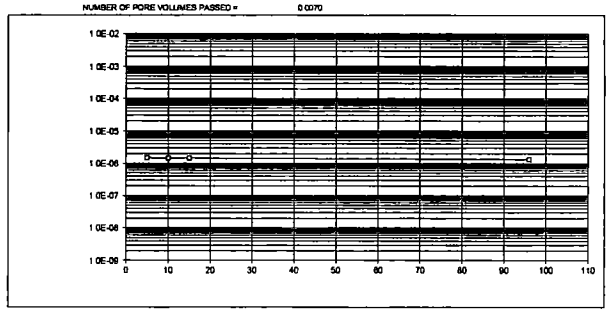
SATURATION	LATERAL PRESS	83	psi	BACK PRESSURE (=UPPER+LOWER)	80	psi	
TEST:	LATERAL PRESS	83	psi	UPPER 80 psi	LOWER	80	psi
				BIAS PRESSURE (=LOWER-UPPER)	0	psi	

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR
8.64	1.32	0	36.9									
8.48	1.50	5	34.6	0.050431	1.48E-08	0.16	0.16	1.00	9.2	3	22.1	0.953
8.30	1.68	10	33.1	0.050084	1.47E-08	0.16	0.16	0.80	8.7	2	22.1	0.953
8.14	1.84	15	31.5	0.049846	1.45E-08	0.16	0.16	1.00	8.3	1	22.1	0.953
6.50	3.50	90	15.0	0.741937	1.34E-08	1.64	1.66	0.99	4.0	6	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.4E-08 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0070



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	B-1 S-1	DATE	8/20/2012
ID	S. End West (NE) Oxidation Pond Lift #1		
DESCR	Brown Dark Brown Lean Clay with Sand		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	254.5	WET WT, g	305.0		W & T, g	327.1	WET WT, g	320.2	
D & T, g	216.1	DIA, in	2.83	7.19 cm	D & T, g	264.4	DIA, in	2.84	7.21 cm
T, g	6.9	HT, in	1.49	3.79 cm	T, g	7.1	HT, in	1.50	3.81 cm
		AREA		40.64 cm^2			AREA		cm^2
MOIST-		DENSITY	123.5	PCF WET	MOIST-		DENSITY	126.4	PCF WET
URE, %	18.4	DENSITY	104.3	PCF DRY	URE, %	24.4	DENSITY	103.2	PCF DRY

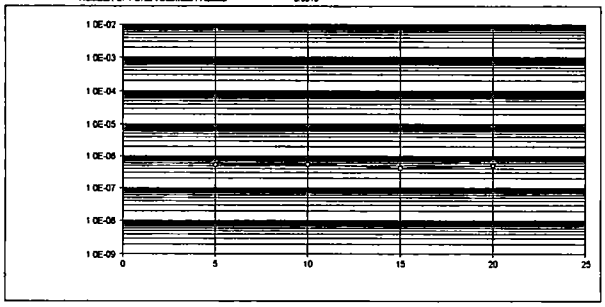
SATURATION:	LATERAL PRESS.	83	psi	BACK PRESSURE (=UPPER+LOWER)	80	psi	
TEST:	LATERAL PRESS	83	psi	UPPER 80 psi	LOWER:	80	psi
				BIAS PRESSURE (=LOWER-UPPER)	0	psi	

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR
9.44	0.64	0	44.0									
9.38	0.72	5	43.2	0.016349	5.44E-07	0.06	0.06	1.00	11.4	8	22.1	0.953
9.28	0.80	10	42.4	0.016692	5.55E-07	0.08	0.08	1.00	11.2	10	22.1	0.953
9.22	0.86	15	41.8	0.014252	4.23E-07	0.06	0.06	1.00	11.0	18	22.1	0.953
9.14	0.92	20	41.1	0.016868	5.01E-07	0.06	0.06	1.33	10.8	1	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 6.1E-07 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0010



Terracon

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	B-3 S-1	DATE	8/20/2012
ID	S. End West (NE) Oxidation Pond Lift #1		
DESCR	Brown Dark Brown Lean Clay with Sand		

Humboldt Cell: BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	333.5	WET WT, g	309.0		W & T, g	320.8	WET WT, g	313.6	
D & T, g	270.4	DIA, in	2.85	7.24 cm	D & T, g	254.5	DIA, in	2.85	7.24 cm
T, g	7	HT, in	1.52	3.85 cm	T, g	6.8	HT, in	1.52	3.86 cm
		AREA		41.13 cm^2			AREA		cm^2
MOIST-		DENSITY:	121.9	PCF WET	MOIST-		DENSITY	123.2	PCF WET
URE, %	24.0	DENSITY	98.3	PCF DRY	URE, %	26.7	DENSITY	97.3	PCF DRY

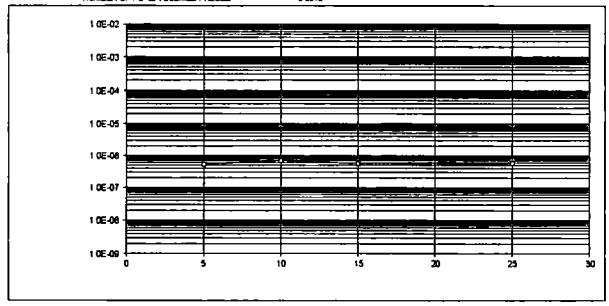
SATURATION:	LATERAL PRESS	83	psi	BACK PRESSURE (=UPPER+LOWER)	80	psi	
TEST:	LATERAL PRESS	83	psi	UPPER 80 psi	LOWER:	80	psi
				BIAS PRESSURE (=LOWER-UPPER)	0	psi	

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP. CORR
9.46	0.62	0	44.2									
9.38	0.70	5	43.4	0.018265	5.43E-07	0.08	0.08	1.00	11.3	9	22.1	0.953
9.28	0.80	10	42.4	0.023311	6.93E-07	0.1	0.1	1.00	11.0	18	22.1	0.953
9.20	0.88	15	41.6	0.019046	5.66E-07	0.08	0.08	1.00	10.8	5	22.1	0.953
9.04	1.04	25	40.0	0.039221	5.83E-07	0.16	0.16	1.00	10.4	2	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 6.0E-07 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0013



Terracon

Terracon

August 24, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/21/12	Field Density Testing (0044)
08/23/12	Laboratory Services (0047)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)

cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, carlos.garnica@reconservices.com, (1) Remedial Construction Services LP, jon.richardson@reconservices.com, (1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

FIELD DENSITY TEST REPORT

Report Number: 01111181.0044
Service Date: 08/21/12
Report Date: 08/24/12
Task:

Terracon
1815 S Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Compaction (%)
1	01111181.0041	Brown/Dark Brown Lean to Fat Clay	ASTM D698	19.0	105.0	Opt. to +5%	95%

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
	West Oxidation Pond (Cap Backfill)								
106	North Middle Quarter / West Middle Area	2nd Lift	1	6"	126.0	21.6	20.7	104.4	99
107	North Middle Quarter / South End	2nd Lift	1	6"	124.4	20.2	19.4	104.2	99
108	North Middle Quarter / East of Middle Area	2nd Lift	1	6"	123.8	19.8	19.0	104.0	99
109	North Middle Quarter / East End	2nd Lift	1	6"	125.8	21.4	20.5	104.4	99
110	South Middle Quarter / North End	2nd Lift	1	6"	121.5	17.7	17.1 *	103.8	99
111	Retest #110	2nd Lift	1	6"	122.6	20.8	20.4	101.8	97
112	South Middle Quarter / North of Middle Area	2nd Lift	1	6"	126.1	22.6	21.8	103.5	99
113	South Middle Quarter / East Middle Area	2nd Lift	1	6"	124.5	21.3	20.6	103.2	98
114	South Middle Quarter / East End	2nd Lift	1	6"	118.2	16.8	16.6 *	101.4	97
115	Retest #114	2nd Lift	1	6"	121.7	21.7	21.7	100.0	95
116	South Middle Quarter / South End	2nd Lift	1	6"	122.2	19.7	19.2	102.5	98
117	South Middle Quarter / Southwest of Middle Area	2nd Lift	1	6"	124.7	21.2	20.5	103.5	99
118	South Middle Quarter / West Middle Area	2nd Lift	1	6"	121.8	20.7	20.5	101.1	96
119	South Middle Quarter / West End	2nd Lift	1	6"	122.1	20.1	19.7	102.0	97
120	South Quarter / Northwest Corner	2nd Lift	1	6"	119.3	20.0	20.1	99.3	95
121	South Quarter / West Middle Area	2nd Lift	1	6"	120.5	20.0	19.9	100.5	96
122	South Quarter / Southwest of Middle Area	2nd Lift	1	6"	121.9	21.0	20.8	100.9	96
123	South Quarter / South End	2nd Lift	1	6"	121.5	20.2	19.9	101.3	96
124	South Quarter / Southeast Area	2nd Lift	1	6"	121.9	21.0	20.8	100.9	96

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT

Report Number: 01111181.0044
Service Date: 08/21/12
Report Date: 08/24/12
Task:

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Client

Remedial Construction Services LP
Attn: Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project

El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number: 01111181

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
125	South Quarter / East Middle Area	2nd Lift	1	6"	121.5	20.2	19.9	101.3	96
126	South Quarter / Northeast Area	2nd Lift	1	6"	120.1	19.9	19.9	100.2	95
127	South Quarter / North Area	2nd Lift	1	6"	121.9	20.6	20.3	101.3	96

Datum: 2nd Lift **Serial No:** 25347 **Std. Cnt. M:** 734 **Std. Cnt. D:** 2664

Comments: **Test and/or retest results on this report meet project requirements as noted above.**
We performed the above field moisture and density tests on compacted soils when requested by a project site representative. Test elevations/depths were provided by the contractor's representative. The soils should be carefully re-evaluated prior to placement of the next lift of fill, or the construction of foundations, slabs, or pavements. If disturbance or softening from wetting has occurred, the soils should be reworked, moisture conditioned, and properly compacted to comply with project recommendations/specifications. **Fill material tested today has a USCS classification of CL per ASTM 2487.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.
Terracon Rep.: Kevin McKinney
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com
(1) Remedial Construction Services LP, jon.richardson@reconservices.com
(1) Remedial Construction Services LP, stuart.b.klaus@mwhglobal.com

Reviewed By: rvw1; wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery TERRACON JOB # 01111181
SAMPLE: West Pond, East Center DATE 8/22/2012
ID: Shelby Tube Sample Lift #2
DESCR: Brown Dark Brown Lean Clay

Humboldt Cal — BURETTE Area 0.2 cm^2

INITIAL

MOISTURE%		DENSITY			
W & T, g	227.3	WET WT, g	368.9		
D & T, g	188.2	DIA, in	2.86	7.26	cm
T, g	6.9	HT, in	1.75	4.45	cm
		AREA		41.45	cm^2
MOISTURE, %	22.8	DENSITY	124.3	PCF WET	
		DENSITY	101.1	PCF DRY	

FINAL

MOISTURE%		DENSITY			
W & T, g	377.2	WET WT, g	370.1		
D & T, g	305.2	DIA, in	2.87	7.29	cm
T, g	6.6	HT, in	1.75	4.45	cm
		AREA			cm^2
MOISTURE, %	24.1	DENSITY	124.5	PCF WET	
		DENSITY	100.3	PCF DRY	

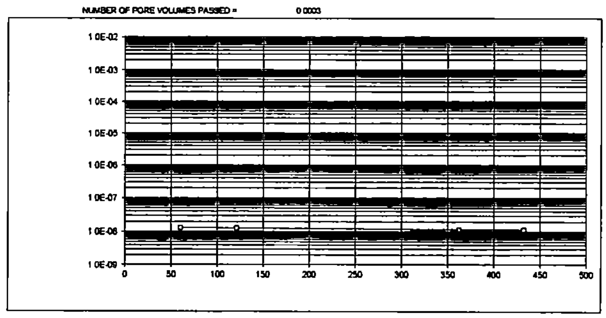
SATURATION: LATERAL PRESS 83 psi — BACK PRESSURE (=UPPER=LOWER) 80 psi
TEST: LATERAL PRESS 83 psi — UPPER 80 psi — LOWER 80 psi
BIAS PRESSURE (=LOWER-UPPER) 0 psi

Upper cm^3	Lower cm^3	ELAPSED TIME min	DELTA H cm	Ln H1/H2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP. C	TEMP CORR.
9.44	0.80	0	43.2									
9.42	0.82	60	43.0	0.004640	1.32E-08	0.02	0.02	1.00	9.7	7	22.1	0.953
9.40	0.84	121	42.8	0.004662	1.30E-08	0.02	0.02	1.00	9.6	6	22.1	0.953
9.34	0.92	362	42.1	0.016400	1.17E-08	0.06	0.08	0.75	9.5	6	22.1	0.953
9.32	0.94	432	41.9	0.004762	1.16E-08	0.02	0.02	1.00	9.4	8	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 1.2E-08 cm/sec

MAXIMUM HYDRAULIC GRADIENT			
1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
1.0E-05 TO 1.0E-06	10	<1.25	OR
1.0E-06 TO 1.0E-07	20		% < 50 AT
1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0003



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Terracon

Terracon

August 28, 2012

Remedial Construction Services LP
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Attn: Matt Meyers

Re: Construction Materials Testing and Observation Reports
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS
Terracon Project No. 01111181

Dear Matt Meyers:

As requested, Terracon representatives provided construction observation and testing services for the referenced project. These services were provided on a part-time basis when requested by you, your field representative or the contractor's representative unless otherwise noted. The attached reports provide results of services performed during the dates indicated. For your reference, a listing of the attached reports is as follows:

Service Date	Description
08/22/12	Laboratory Compaction Characteristics Of Soil (0046)
08/24/12	Laboratory Services (0048)
08/27/12	Laboratory Services (0049)
08/27/12	Laboratory Services (0050)

Our services have been provided under the supervision of and reports reviewed by a registered professional engineer. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of further assistance to you, please feel free to contact us.

Sincerely,
Terracon Consultants, Inc.

William C. Perng
Technician IV (CMT)
cc: (1) Remedial Construction Services LP, matt.meyers@reconservices.com, (1) Remedial Construction Services LP, carlos.garnica@reconservices.com, (1) Remedial Construction Services LP, jon.richardson@reconservices.com, (1) Remedial Construction Services LP, mark.b.klaus@mwhglobal.com

Terracon Consultants Inc 1815 S Eisenhower Wichita, KS 67209
P (316) 262 0171 F (316) 262 0087 terracon.com

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Terracon
1815 S. Eisenhower
Wichita, KS 67209
316-262-0171

Report Number: 01111181.0046
Service Date: 08/22/12
Report Date: 08/28/12

Client
Remedial Construction Services LP
Attn. Matt Meyers
9977 W Sam Houston Pkwy No, Ste 100
Houston, TX 77064

Project
El Paso Refinery
1800 N. Topeka St.
El Dorado, KS

Project Number 01111181

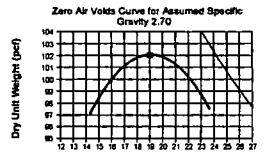
Material Information
Source of Material: On Site
Proposed Use: Cap

Sample Information
Sample Date: 08/21/12
Sampled By: Kevin McKinney
Sample Location: Southwest Berm, East Oxidation Pond
Sample Description: Red Brown Lean to Fat Clay Trace Sand

Laboratory Test Data
Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 102.0
Optimum Water Content (%): 19.0

	Result	Specifications
Liquid Limit:	39	
Plastic Limit:	18	
Plasticity Index:	21	
In-Place Moisture (%):		

USCS:



Comments:

Services: Perform Standard Proctor Test

Terracon Rep.:
Reported To:
Contractor:
Report Distribution:
(1) Remedial Construction Services LP, matt.meyers@reconservices.com
(1) Remedial Construction Services LP, jon.richardson@reconservices.com
(1) Remedial Construction Services LP, carlos.garnica@reconservices.com
(1) Remedial Construction Services LP, mark.b.klaus@mwhglobal.com

Reviewed By: rvw 1: wcp
William C. Perng
Technician IV (CMT)

Test Methods: ASTM D698

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE: Shelby Tube Sample — DATE: 8/24/2012
ID: West Pond, West Side Lift #2
DESCR.: Dark Brown Lean to Fat Clay

Humboldt Cell — BURETTE Area: 0.2 cm^2

INITIAL							FINAL						
MOISTURE%		DENSITY					MOISTURE%		DENSITY				
W & T, g	211.3	WET WT, g	387.5				W & T, g	408.1	WET WT, g	368.9			
D & T, g	178.6	DIA, in	2.84	7.21	cm		D & T, g	331.4	DIA, in	2.85	7.24	cm	
T, g	6.9	HT, in	1.90	4.83	cm		T, g	9.5	HT, in	1.84	4.62	cm	
		AREA		40.87	cm^2				AREA		41.16	cm^2	
MOIST-URE, %	19.0	DENSITY	122.6	PCF WET			MOIST-URE, %	23.6	DENSITY	123.2	PCF WET		
		DENSITY	103.0	PCF DRY					DENSITY	99.8	PCF DRY		

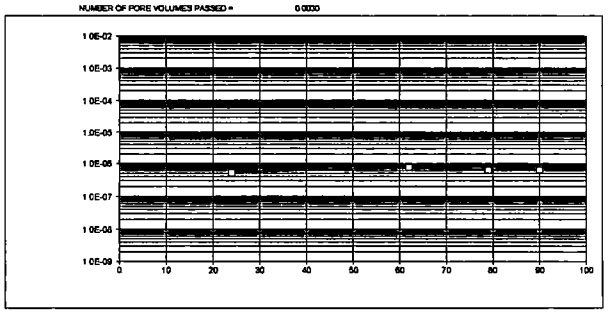
SATURATION:	LATERAL PRESS	63	psi	BACK PRESSURE (=UPPER+LOWER)		80	psi
TEST:	LATERAL PRESS	63	psi	UPPER	80 psi	LOWER	80 psi
				BIAS PRESSURE (=LOWER-UPPER)		0	psi

Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Lo H/A2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP., C	TEMP. CORR.
9.40	0.78	0	43.1									
9.12	1.06	24	40.3	0.057172	5.28E-07	0.28	0.28	1.00	8.4	18	22.0	0.956
8.65	1.06	62	34.5	0.155382	7.69E-07	0.56	0.6	0.93	7.1	20	22.0	0.956
8.35	1.06	79	32.6	0.209647	8.22E-07	0.15	0.2	0.80	6.8	2	22.1	0.953
8.28	1.06	90	31.4	0.237504	8.40E-07	0.12	0.12	1.00	6.5	0	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 6.4E-07 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0000



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MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT: El Paso Refinery — TERRACON JOB #: 01111181
SAMPLE: Shelby Tube Sample — DATE: 8/29/2012
ID: Southeast 144 West 1/2 Lift #2
DESCR: Dark Brown Lean to Fat Clay

Humboldt Cell — BURETTE Area: 0.2 cm^2

INITIAL							FINAL						
MOISTURE%		DENSITY					MOISTURE%		DENSITY				
W & T, g	257.4	WET WT, g	419.8				W & T, g	432.4	WET WT, g	422.8			
D & T, g	214.9	DIA, in	2.85	7.24	cm		D & T, g	352.8	DIA, in	2.85	7.24	cm	
T, g	6.9	HT, in	2.00	5.09	cm		T, g	9.4	HT, in	2.00	5.08	cm	
		AREA		41.16	cm^2				AREA			cm^2	
MOIST-URE, %	20.4	DENSITY	125.0	PCF WET			MOIST-URE, %	23.2	DENSITY	128.2	PCF WET		
		DENSITY	103.8	PCF DRY					DENSITY	102.5	PCF DRY		

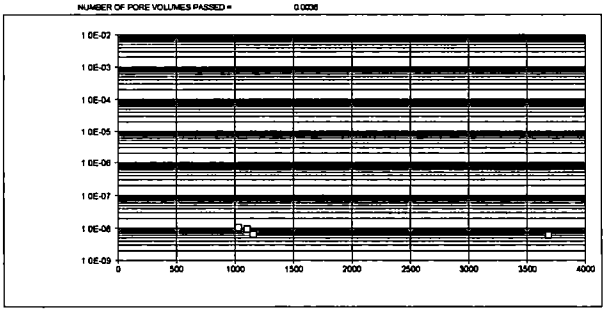
SATURATION:	LATERAL PRESS.	63	psi	BACK PRESSURE (=UPPER+LOWER)		80	psi
TEST:	LATERAL PRESS	63	psi	UPPER	80 psi	LOWER	81 psi
				BIAS PRESSURE (=LOWER-UPPER)		1	psi

Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Lo H/A2	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP., C	TEMP. CORR.
9.76	0.22	0	47.8									
9.20	0.82	1029	41.4	0.065712	1.04E-06	0.56	0.7	0.83	21.9	29	22.6	0.938
9.16	0.86	1102	41.0	0.003567	9.93E-09	0.04	0.04	1.00	21.8	15	23.4	0.921
9.14	0.86	1154	40.8	0.001708	6.57E-09	0.02	0.02	1.00	21.8	19	23.4	0.921
8.38	1.64	3683	32.1	0.001539	6.14E-09	0.78	0.86	0.91	20.1	24	23.3	0.924

HYDRAULIC CONDUCTIVITY (k) = AVERAGE 9.1E-09 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0036



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MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 10 METHOD C TEST WITH INCREASING TAILWATER LEVEL
FLUID: DEAIRED TAP WATER

PROJECT:	El Paso Refinery	TERRACON JOB #	01111181
SAMPLE	Shelby Tube Sample	DATE	8/27/2012
ID	West Pond, S 1/4 E 1/2 Lift 1		
DESCR:	Brown Lean to Fat Clay		

Humboldt Cell
BURETTE Area 0.2 cm^2

INITIAL					FINAL				
MOISTURE%		DENSITY			MOISTURE%		DENSITY		
W & T, g	258.4	WET WT, g	504.1		W & T, g	533.8	WET WT, g	524.1	
D & T, g	221	DIA, in	2.83	7.19 cm	D & T, g	434.6	DIA, in	2.84	7.21 cm
T, g	10.1	HT, in	2.51	6.38 cm	T, g	9.4	HT, in	2.52	6.40 cm
		AREA		40.61 cm^2			AREA		cm^2
MOIST-		DENSITY	121.5	PCF WET	MOIST-		DENSITY	125.1	PCF WET
URE, %	17.7	DENSITY	103.2	PCF DRY	URE, %	23.3	DENSITY	101.4	PCF DRY

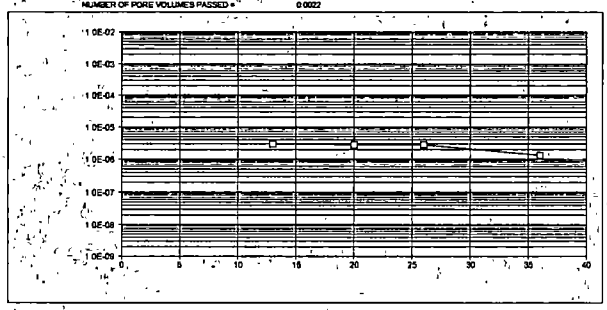
SATURATION:	LATERAL PRESS:	83 psi	BACK PRESSURE (=UPPER+LOWER)	80 psi	
TEST:	LATERAL PRESS:	83 psi	UPPER 80 psi	LOWER 80 psi	
			BIAS PRESSURE (=LOWER-UPPER)	0 psi	

Upper cm^3	Lower cm^3	ELAPSED TIME, min	DELTA H cm	Lo H/Ho	HYD CON k, cm/sec	OUT FLOW cm^3	IN FLOW cm^3	OUT/IN RATIO	HYD GRAD	% FROM MEAN k	TEMP C	TEMP CORR
8.00	0.25	0	38.8									
7.50	0.85	13	33.3	0.153076	2.95E-08	0.6	0.6	0.83	5.2	19	22.0	0.956
7.25	1.10	20	30.8	0.079165	2.79E-08	0.25	0.25	1.00	4.8	13	22.0	0.956
7.05	1.30	28	28.8	0.057252	2.80E-08	0.2	0.2	1.00	4.5	13	22.1	0.953
6.90	1.45	36	27.3	0.053384	1.34E-08	0.15	0.15	1.00	4.3	48	22.1	0.953

HYDRAULIC CONDUCTIVITY (k) = AVERAGE -- 2.5E-08 cm/sec

MAXIMUM	1.0E-03 TO 1.0E-04	2	0.75<	% < 25 AT
HYDRAULIC	1.0E-04 TO 1.0E-05	5	RATIO	> 1.0E-8
GRADIENT	1.0E-05 TO 1.0E-06	10	<1.25	OR
	1.0E-06 TO 1.0E-07	20		% < 50 AT
	1.0E-07 TO 1.0E-10	30		< 1.0E-8

NUMBER OF PORE VOLUMES PASSED = 0.0022



Terracon

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KINDER MORGAN

June 4, 2013

Charlotte Philip, Geology Associate
Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section/Site Remediation Unit
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367

COPY

RE: Interim Remedial Measures Construction Completion Report
El Dorado Refinery, El Dorado, Kansas

Dear Ms. Philip:

El Paso Merchant Energy-Petroleum Company (EPME-PC) is pleased to submit this Interim Remedial Measures Construction Completion Report (IRMCCR) for the EPME-PC El Dorado Refinery (Site) in El Dorado, Kansas. The IRMCCR details Interim Remedial Measures that have been conducted at the Site from 2010 through 2012. The Interim Remedial Measures were conducted concurrently with closure of the Site's Wastewater/Stormwater Ponds (Ponds). Closure of the Wastewater/Stormwater Ponds was required by December 16, 2012 under the Site's National Pollutant Discharge Elimination System (NPDES) Permit dated June 27, 2011. EPME-PC has been engaged with the KDHE-BER and KDHE-BOW throughout the closure of the Ponds and implementation of the Remedial Actions described in the IRMCCR. It is our belief that the Remedial Actions conducted provided an enormous benefit to the environment.

Please feel free to contact me at 713-420-4239 with any questions you may have.

Sincerely,

Lance Sustaita, P.E.
Project Manager
Kinder Morgan, Inc.

RECEIVED
JUN 07 2013
BUREAU OF
ENVIRONMENTAL REMEDIATION

Enclosures
cc: Eric Staab (KDHE-BOW)
Jeff TeGrotenhuis (MWH)
Doug Mick (MWH)