

Everett Spellman

From: Stucky-Gregg, Elise [StuckyGE@kochind.com]
Sent: Monday, February 28, 2011 3:05 PM
To: Stone.AndreaR@epamail.epa.gov; Rohrman.Wray@epamail.epa.gov; Everett Spellman; Mostafa Kamal
Cc: Siegrist, Thomas; LeRock, Gary; Zellers, Cory; WBrady@Geosyntec.com; tpeel@geosyntec.com
Subject: March 3, 2011 Koch Nitrogen Company, LLC Meeting with Region 7 EPA and KDHE for Phase II Work Plan Discussion
Attachments: March 3 2011 Meeting Outline and Discussion Items 28feb11.PDF; well_network.pdf; Example Delineation Maps 2 28 11.pdf; Delineation Summary.pdf

Attached is an outline of the meeting agenda and the maps and table to be reviewed prior to the meeting on Thursday, March 3, 2011. Of greatest interest is your input on the proposed scope for the Phase II RFI Work Plan – Tier II Soils Work Plan.

If you have any questions, please call or email me. We are looking forward to the meeting on Thursday.

Thank you

Elise Stucky-Gregg
Environmental Leader
Koch Nitrogen Company, LLC
11559 U.S. Highway 50
Dodge City, Kansas 67801
phone: 620-227-8631 ext 350
fax: 620-227-6016
cell: 620-339-9024

RCRA



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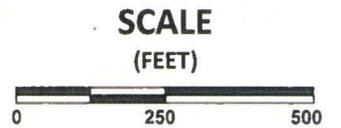
Meeting Outline and Discussion Items – 2011 Activities
Koch Nitrogen Company, LLC Dodge City
March 3, 2011

I. Monitor Well Cluster Installation

- A. Perimeter Well Cluster Bid Progress**
- B. Access Agreement Update/Change to Locations of MW-18 and MW-19 (well_network.pdf)**
- C. Shallow Well Screen Determination**
- D. Monitor Well Installation Field Work Schedule**

II. Phase II RFI Work Plan - Tier II Soils Work Plan

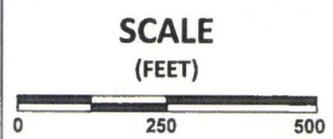
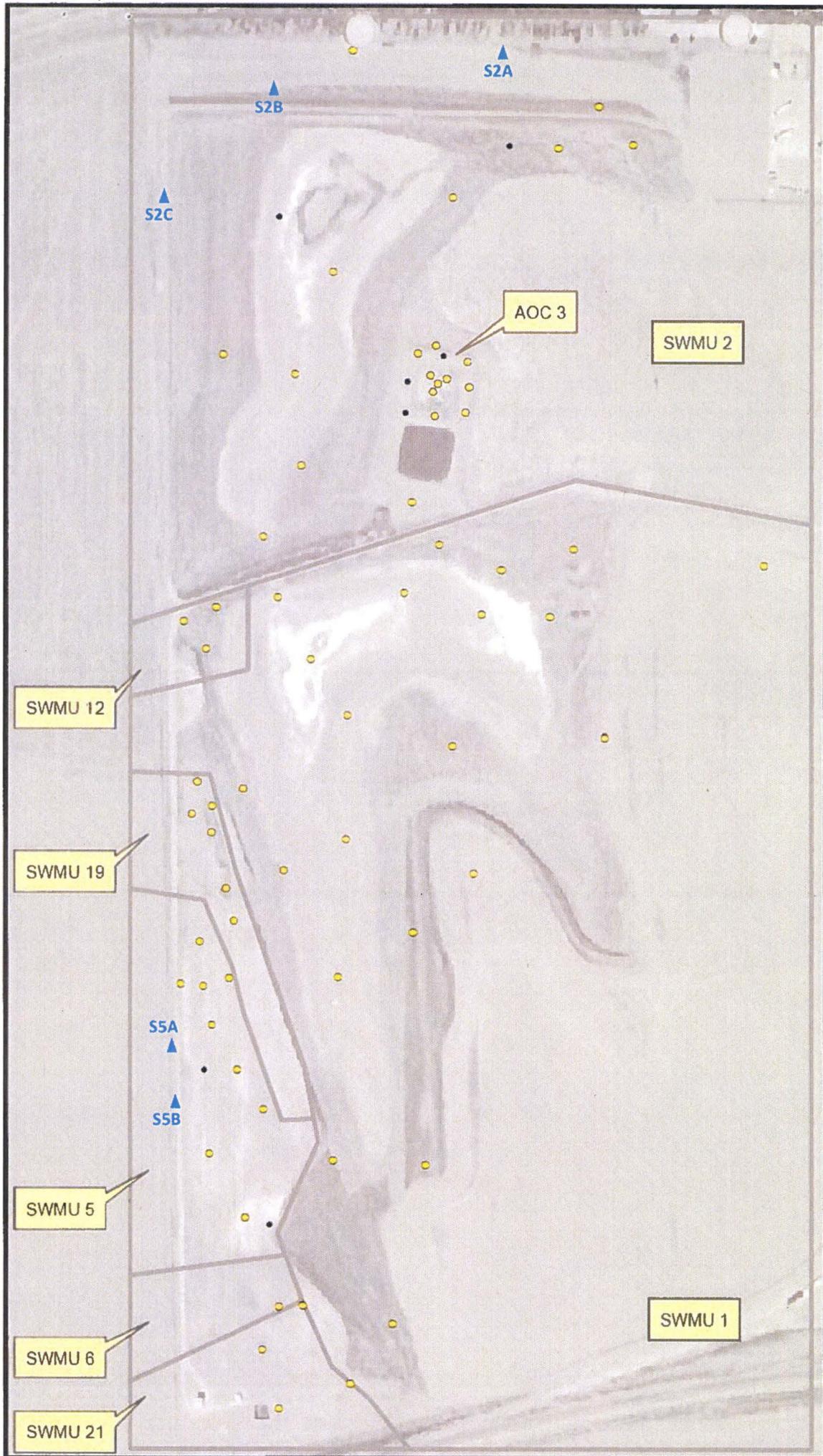
- A. Objectives of the Tier II Soils Work Plan**
 - Overall Objective - Provide a scope of work to complete lateral and vertical soil delineation for site SWMUs and AOCs based on the data collected to date, including the recently completed Phase II – Tier 1 Sampling.
 - KNC Additional Objectives – Present a Tier II Soils Work Plan that clearly identifies data gaps, proposed sampling locations, depths, and analytical requirements that can be reviewed, discussed, and approved in an efficient manner
- B. Proposed Approach**
 - Segregating the Site into roughly 4 areas (Example draft data postings for deeper depths of the western portion of the site are provided in the attachment titled "Example Delineation Maps 2 28 11.pdf")
 - Development of constituents-specific postings to describe analytical results (one color for concentrations below the standard and a different color for concentrations above the standard)
 - Identification of lateral delineation data needs based on the individual data postings on a particular map (Example Delineation maps.pdf)
 - Identification of vertical delineation data needs based on the maps as a whole (Example Delineation Maps.pdf)
 - Compilation of the lateral and vertical data developed from the individual maps into a summary table (Delineation Summary.pdf)
- C. Schedule**



- LEGEND**
- Cr > 20 mg/kg
 - Cr ≤ 20 mg/kg
 - ▲ Proposed Tier II Boring Location

DRAFT
For Discussion
Purposes Only

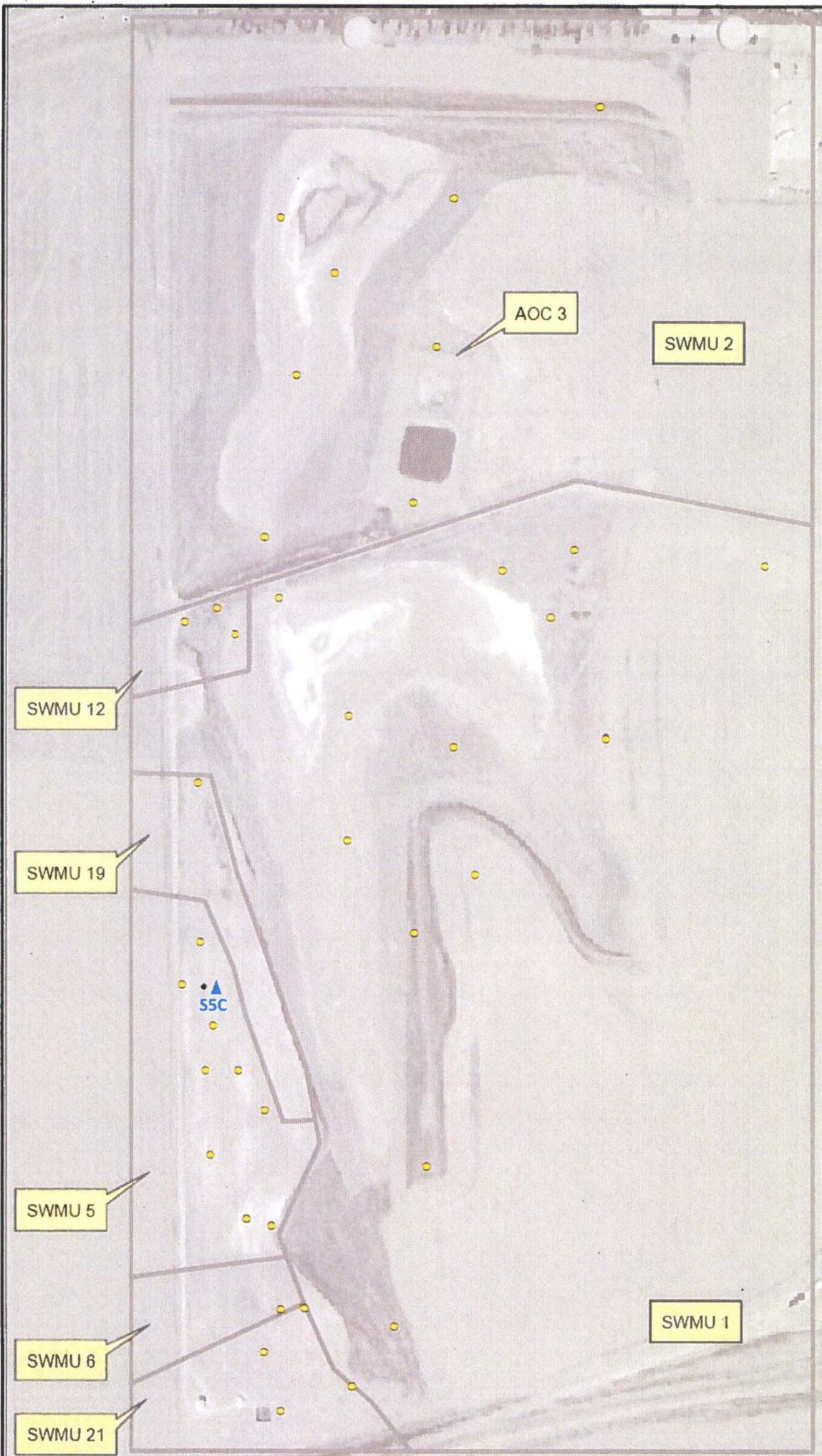
Total
Chromium
10-20 FT BGS
Western Portion of
Site



- LEGEND**
- Cr > 20 mg/kg
 - Cr ≤ 20 mg/kg
 - ▲ Proposed Tier II Boring Location

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Total
Chromium
30-40 FT BGS
Western Portion of
Site



SCALE
(FEET)



LEGEND

- Cr > 20 mg/kg
- Cr ≤ 20 mg/kg
- ▲ Proposed Tier II Boring Location

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Total
Chromium
40-50 FT BGS
Western Portion of
Site

Total Chromium Delineation Data Needs Summary - Western Portion of the Site

Boring Depth (FT BGS)	SWMU 1			SWMU 2/AOC-3			SWMU-19			SWMU-5		
	S1A	S1B	S1C	S2A	S2B	S2C	S19A	S19B	S19C	S5A	S5B	S5C
0-0.5	Cr						Cr			Cr	Cr	Cr
2	Cr						Cr			Cr	Cr	Cr
4	Cr						Cr			Cr	Cr	Cr
6	Cr						Cr			Cr	Cr	Cr
8	Cr						Cr			Cr	Cr	Cr
10	Cr						Cr			Cr	Cr	Cr
15	Cr						Cr			Cr	Cr	Cr
20	Cr						Cr			Cr	Cr	Cr
30				Cr	Cr	Cr	Cr			Cr	Cr	Cr
40				Cr	Cr	Cr						Cr
50												Cr
60												Cr

Notes:

FT BGS - feet below ground surface

Table was generated to provide an approach for the western portion of the site. For this review, data needs were identified from 10 to 50 FT BGS. Additional borings will be required to delineate total chromium at shallower depths (0 to 10 FT BGS). These data will be incorporated into table to provide lateral delineation at these depths.

Boring S5C would be completed in the approximate location of the boring that had a reported total chromium concentration greater than 20 mg/kg. Soil samples would be collected above this depth to confirm total chromium levels. The boring would then be extended to approximately 60 FT BGS and sampled to complete vertical delineation.

Table would be updated with delineation needs for other constituents (nitrate, VOCs, etc.) based on area-wide depth maps for these constituents using the same approach.

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- KNC MONITOR
- KNC WELL NC
- PRIVATE WEL
- ▲ PROPOSED K
- ⊕ NEW/OLD LOC
- ⊗ NEW LOCATIC

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GROUNDWATI

PREPARED BY: