ADDENDUM #1 - REQUEST FOR PROPOSAL (RFP)
DEMOLITION AND RESTORATION SERVICES

RFP Number:	TRA Trust 2011-03 – ADDENDUM #1
Date Available	October 31, 2011
Pre-Bid Meeting:	1:00 p.m. CST on Monday, October 31, 2011 @ Treece City Hall, Treece, KS
Submittal via US Mail or Contract Carrier	Bids submitted by US Mail or contract carrier ***must be received*** by 5:00 p.m. CST on Thursday, November 17, 2011 at: TRA Trust, c/o Bob Jurgens, KDHE, 1000 SW Jackson, Suite 410, Topeka, KS 66612-1367
Delivery In Person	Bids will be accepted via personal delivery from 12:30 p.m. to 1:00 p.m. CST on Monday, November 21, 2011 in the Cherokee County Courthouse Break Room, Garden Level, 110 West Maple Ave., Columbus, Kansas. Mail or contract delivery is **not** available the day of the bid openings. ***Late bids will not be accepted for consideration.***
Bid Opening	1:05 p.m. on Monday, November 21, 2011 in the Cherokee County Courthouse Break Room, Garden Level, 110 West Maple Ave., Columbus, Kansas.
Contract Award Date	TRA Trustee Meeting: Approx. 12:00 p.m. CST, November 28, 2011 in the Cherokee County Courthouse Break Room, Garden Level, 110 West Maple Ave., Columbus, Kansas.
Technical Questions:	Bob Jurgens, KDHE: 785-296-1914
Item:	Demolition and Restoration Services
Agency:	Treece Relocation Assistance Trust, Columbus, Kansas
Period of Contract:	Date of Trust award through June 30, 2013
Guarantee:	No Monetary Guarantee Required
Scope:	This Contract shall cover the procurement of demolition and restoration services for the Treece Relocation Assistance Trust during the contract period referenced above. Multiple contractors may be selected at the Trust's discretion.

Electronic Copies of RFP # TRA Trust 2011-03 and Addendum #1 are available at the Project Web Page at www/kdheks.gov/treece or by request from the Treece Relocation Assistance Trust (Trust) by contacting Bob Jurgens, Kansas Department of Health and Environment (KDHE) via email at bjurgens@kdheks.gov or calling (785) 291-3252. KDHE is only providing technical and administrative assistance to the Trust and is not a party in the contract award associated with this RFP.

Addendum #1 Changes

1. **Bid Sheets**: Revision #1, dated 10/31/11
    a. Includes all parcels with buildings testing positive for asbestos containing materials (ACM). Bids shall be provided for abatement in addition to the initial demolition costs.
    b. Parcel ID # Revision: S-10 is same as V-12 (Block 11, Lots 12-13) and S-12 is same as V-30 (Block 12, Lots 5-7). A revised F_1 City Demo Map is included.
2. **F_1 Treece Demo Map – City Limits**: Updated to reflect properties needing asbestos abatement prior to demolition. Also shows changes from V-12 toS-10 and V-30 to S-12 (see item 1b above.)
3. **F_2 Treece Demo Map – North Rural Properties**: Updated to reflect properties needing asbestos abatement prior to demolition.
4. **Asbestos Abatement Reports**: Asbestos abatement reports for building with positive ACM are available for use in preparing the asbestos abatement bid costs.

Revision 1 - BID SHEETS - DEMOLITION & RESTORATION RFP

Treece Relocation Assistance Trust

10/31/11 Revision #1 incorporates required asbestos abatement costs separate from the previously-defined modules costs.

MODULES 1 and 2

Module 1: Standard demolition of structures on residential and non-residential property, including general debris cleanup for the associated parcels of property.

Module 2: General property clean up for vacant lots or other areas without significant structures (e.g. No permanent structures with foundations or a framework permanently affixed to the land).

Prop = Property Mod = Module

Lot 1 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORW25	1-2	1	Wood-frame	
ORM17L	3-4	1	Wood-frame	
			Total =	

Lot 2 - Original Plat

No Demolition Planned

Lot 3 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM08	1-3	2	General Debris	
ORM17L	4-5	2	General Debris	
			Total =	

Lot 4 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM13	1-2	2	General Debris	
V07	3-4	2	General Debris	
			Total =	

Lot 5 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
V11	1-2	2	General Debris	
V31	3	2	General Debris	
V37	4-6	2	General Debris	
ORW04	12	1	Wood-frame	
			Total =	

Lot 6 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
V09	1-2	2	General Debris	
V29	3-6	2	General Debris	
ORM20	9-10	2	General Debris	
ORM18	11-12	2	General Debris	
ORW28	13	1	Wood-frame	
V36	14-15	2	General Debris	
S13	17	1	Wood-frame	
ORW15	18	1	Wood-frame	
			Total =	

Lot 7 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORW18	1-2	2	General Debris	
S04	3	1	Wood-frame	
ORM24	4-6	2	General Debris	
V14	7-8	2	General Debris	
S06	9	1	Wood-frame	
ORW22	10-13	1	Wood-frame	
ORW022	10-13	1	Asbestos Abate	
ORM31	14-15	2	Wood-frame	
			Total =	

Lot 8 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
V32	1-2	1	Mobile Home	
ORW08	3-4	1	Wood-frame	
ORW08	3-4	1	Asbestos Abate	
ORM01	5	2	General Debris	
ORW02	6	1	Wood-frame	
ORW02	6	1	Asbestos Abate	
ORM23	7-8	2	General Debris	
V01	9-10	2	General Debris	
S02	11-12	1	Wood-frame	
			Total =	

Initial Each Page _____

Lot 9 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM10	1-3	2	General Debris	
ORM11	4-9	1	Wood-frame	
ORM37	10-13	2	General Debris	
ORM29	14-15	2	General Debris	
ORW07	16	1	Wood-frame	
ORW07	16	1	Asbestos Abate	
ORW24	17-18	1	Wood-frame	
			Total =	

Lot 10 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM07	1-3	2	General Debris	
V25	5	2	General Debris	
NR2	7-12	1	Concrete block	
NR2	7-12	1	Asbestos Abate	
ORM40	16-18	2	General Debris	
ORW17	19-21	2	General Debris	
			Total =	

Lot 11 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM38	4-6	2	General Debris	
ORW16	7-11	2	General Debris	
S-13	12-13	1	Concrete Block	
S-13	12-13	1	Asbestos Abate	
ORW20	14-18	1	Wood-frame	
ORM02	19-21	2	General Debris	
			Total =	

Lot 12 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM26	1-3	1	Wood-frame	
ORM26	1-3	1	Asbestos Abate	
S12	5-7	1	Wood-frame	
S12	5-7	1	Asbestos Abate	
ORW19	10-18	1	Wood-frame	
			Total =	

Lot 13 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORW05	1-6	1	Wood-frame	
ORW05	1-6	1	Asbestos Abate	
ORW26	7-8	1	Wood-frame	
ORW13	9-12	1	Wood-frame	
ORM03	13-18	2	General Debris	
			Total =	

Lot 14 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
NR-4	1-4	1	Wood-frame	
NR-4	1-4	1	Asbestos Abate	
ORW16	5-7	1	Wood-frame	
ORM39	13-14	2	General Debris	
V35	15	2	General Debris	
V17	17	2	General Debris	
V18	18-19	2	General Debris	
NR3	20-21	1	Conc. Block	
			Total =	

Lot 15 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM15	1-8	2	General Debris	
NR1	9-10	1	Concrete Bldg	
S07	11-12	1	Wood-frame	
ORM25	13-18	2	General Debris	
S08	19-20	1	Wood-frame	
ORW23	21	1	Wood-frame	
ORW23	21	1	Asbestos Abate	
			Total =	

Lot 16 - Original Plat Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORW01	1-3	1	Bldg remnants	
V06	4-5	2	General Debris	
V03	6	2	General Debris	
ORM22	7-9	1	Mobile Home	
ORW14	10-11	1	Wood-frame	
S05	12	1	Wood-frame	
NR5	13	2	General Debris	
ORM05	14-15	2	General Debris	
ORW12	16-17	1	Wood-frame	
ORW12	16-17	1	Asbestos Abate	
			Total =	

Initial Each Page _____

Lot 1-Chubbs 1st Add Time to complete: ____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM27	1-2	2	General Debris	
			Total =	

Lot 2-Chubbs 1st Add Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM27	1-12	2	General Debris	
			Total =	

Lot 3-Chubb's 1st Add Time to complete: ____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORM32	1	1	Wood-frame	
ORM32	1	1	Asbestos Abate	
ORW21	2-3	1	Wood-frame	
ORW21	2-3	1	Asbestos Abate	
ORW29	4	1	Wood-frame	
ORM28	5-6	2	General Debris	
V33	9-11	2	General Debris	
S01	12	1	Wood-frame	
			Total =	

Lot 4-Chubb's 1st Add Time to complete: _____ days

Prop ID#	Lots	Mod	Structure Type	Price
ORW06	1-4	1	Wood-frame	
ORW10	5-6	1	Wood-frame	
ORW10	5-6	1	Asbestos Abate	
ORW11	7-10	1	Wood-frame	
S11	11-12	2	General Debris	
ORW14	10-11	1	Wood-frame	
			Total =	

PROPERTIES OUTSIDE TREECE CITY LIMITS

Group 1 - Assigned with Chubbs Lot 4 Time to complete: _____ days

Prop ID#	Location Info	Mod	Structure Type	Price
ORW09	438 Prospect - NW corner of Prospect & State Line (city limits map)	2	General Debris	
ORW03	11974 SW 10th - NW cor of Grove Rd and SW 10th (Treece North Map)	1	Wood-frame	
ORW03	11974 SW 10th - NW cor of Grove Rd and SW 10th (Treece North Map)	1	Asbestos Abate	
ORM35	11733 SW 10th - 350' So. of Groundhog and SW 10th (Treece North Map)	1	Wood-frame	
ORM30	11583 SW 10th - 500' No. of Groundhog and SW 10th (Treece North Map)	1	Wood-frame	
ORM-19	11567 SW 10th - 650' No. of Groundhog and SW 10th (Treece North Map)	1	Wood-frame	
ORM-19	11567 SW 10th - 650' No. of Groundhog and SW 10th (Treece North Map)	1	Asbestos Abate	
S03	11507 SW 10th - 870' No. of Groundhog and SW 10th (Treece North Map)	2	General Debris	
			Total =	

Group 2 Time to complete: _____ days

Prop ID#	Location Info	Mod	Structure Type	Price
ORM12	11238 SW 10th Rd - 1/4 mile So. of Star Rd & SW 10th (Treece North Map	2	General Debris	
ORM21	11082 SW 10th - 450' So. of Starr Rd & SW 10th (Treece North Map)	2	General Debris	
ORM33	1024 SW Starr Rd - SW corner of Starr Rd and SW 10th (Treece North Map	1	Wood-frame	
ORM27	1098 SW Starr Rd. - 550' West of Starr Rd and SW 10th (Treece North Map)	2	General Debris	
			Total =	

Total all Module 1 and 2 Parcels = $ _____

MODULE 3

MODULE 3: Removal of pavement, such as concrete or asphalt and typically is related to streets, driveways and parking pads. All unit rates should include equipment and labor.

Concrete Removal: Parcel-specific awards will be dependent on the funding availability and the unit rate for removal and disposal.

Streets Option 1: Includes breaking up and removing all asphalt streets. For estimating purposes bidders may assume a total of approximately 21,300 sq. yd. of asphalt streets. Street thickness is anticipated to be approximately 3 inches or less. Bidder is repsonisible for all hauling costs associated with Streets Option 1.

Streets Option 2: Substitutes milling of the entire depth of asphalt streets for a beneficial use by the Cherokee County Highway Department. For estimating purposes bidders may assume a total of approximately 21,300 sq. yd. of asphalt streets. Street thickness is anticipated to be approximately 3 inches or less. Cherokee County will be responsible for hauling the milled material out of Treece and will provide 12 trucks with drivers for hauling. Milling can only be completed between the hours of 8:30 a.m. - 3:30 p.m. on M-F (excluding holidays), unless Cherokee County drivers are

Concrete Removal Tasks	Unit	$/Unit
Removal Equipment - Mobilization	Lump	
Removal (Concrete Only)	Sq. Yd.	
Transport - Landfill	Sq. Yd.	
Disposal Fees - Landfill	Sq. Yd.	
Concrete Transport Alternative - Private repository aproximately 1,000 feet northeast of the city wastewater lagoons on northeast corner of town	Sq. Yd.	

Streets Option 1 - Removal and Landfill Disposal	Unit	$/Unit
Removal (Asphalt Only)	Lump	
Transport - Landfill	Sq. Yd.	
Disposal Fees - Landfill	Sq. Yd.	
Asphalt Tranport Alternative - Private repository approximately 1,000 feet northeast of the city wastewater lagoons on northeast corner of town.	Sq. Yd.	

Streets Option 2 - Asphalt Milling Tasks	Unit	$/Unit
Asphalt Milling - Mobilization	Lump	
Asphalt Milling (Assumes 12 standard dump trucks with drivers provided at no cost to bidder by the Cherokee County Roads Department and delivery of milled asphalt to a location within 15 miles of Treece.)	Sq. Yd.	

Contractor shall verify street thicknesses prior to bid submittal

MODULE 4

MODULE 4: Sewer system abandonment, culvert removal, final grading of the demo areas, seeding, and fertilization. Priced on a per unit basis.

Excavation and earthwork: Anticipates including abandoning the city sewer system manholes and lift station, filling low areas created by foundation and pavement removals and final grading to promote positive surface water runoff. Trust and Contractor will mutually agree upon the scope of work and costs determined by unit rates prior to implementation.

Task	Unit	$/Unit
Seeding and Erosion Control		
Seeding - Fescue	Acre	
Temporary Seeding - Ryegrass	Acre	
Fertilization	Acre	
Seebed Preparation - Tractor and disk	Acre	
Seedbed protective mulch - Straw or native grass w/crimpir	Acre	
Seedbed Preparation - Tractor and disk	Acre	
Erosion control Silt Fence - Installed	Ln. Ft.	
Labor		
General Laborer	Hour	
Operator - Light equipment and trucks	Hour	
Operator - Heavy equipment	Hour	
Heavy Equipment		
Road Grader	Hour	
Dozer	Hour	
Front end loader	Hour	
Backhoe	Hour	
Dump truck	Hour	
Light Equipment		
Skid steer loader	Hour	
3/4 - 1 ton pickup	Hour	
Water Truck	Hour	
Tractor and disk	Hour	

MODULE 5

Module 5: Other Services as requested on a unit rate basis.

Unit rates for additional property not specificed in the RFP.

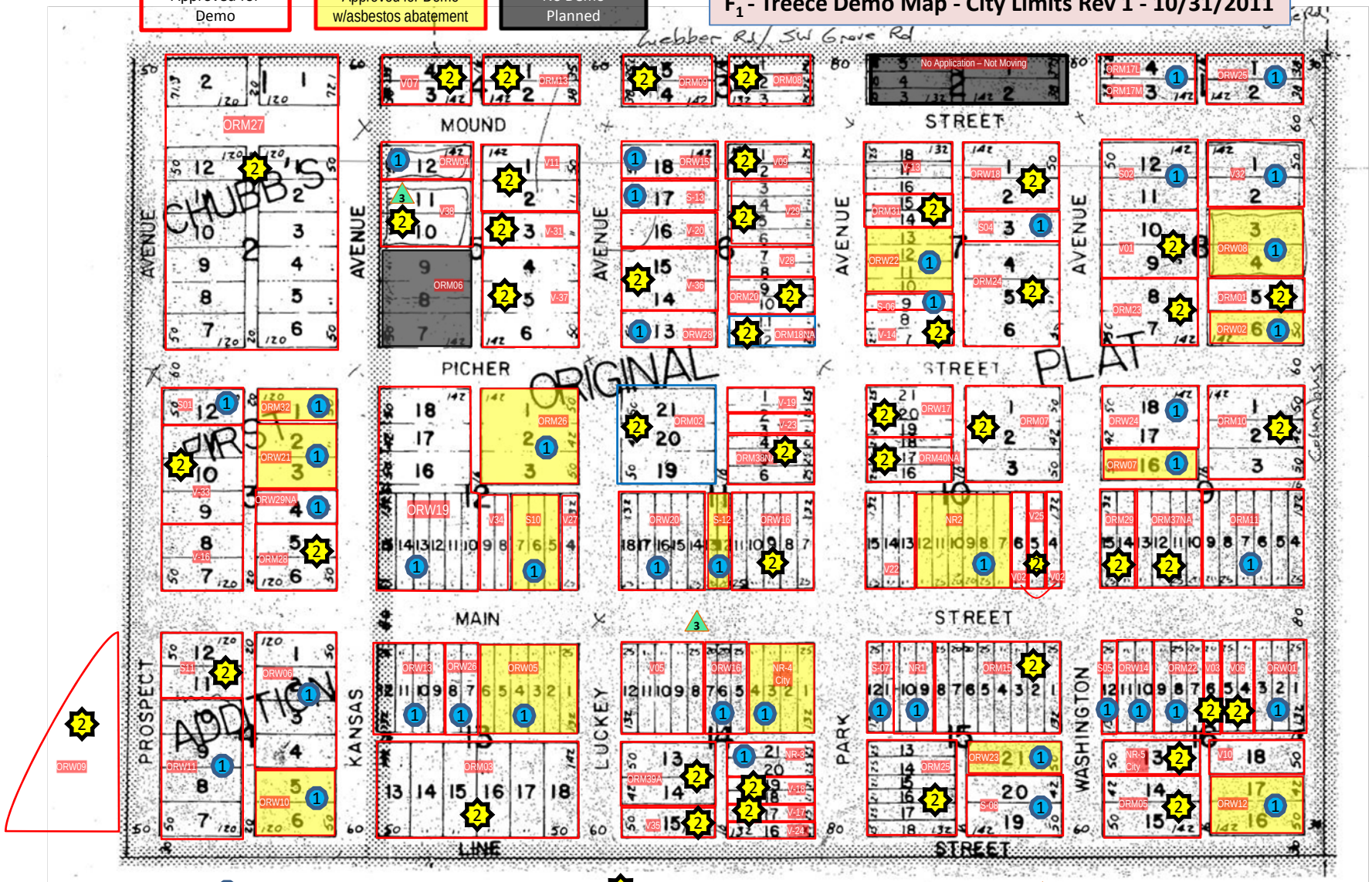
Task	Unit	$/Unit
Demolition - Buildings (Wood frame const. incl floors)	Sq. ft.	
Demolition - Buildings (Metal frame const. incl floors)	Sq. ft.	
Demolition - Buildings (Concrete wall const. incl floors)	Sq. ft.	
Lots - General Debris Trash Cleanup	Sq. yd.	
2-man crew for light demolition - hand equipment included	Hour	

Approved for Demo

Approved for Demo w/asbestos abatement

No Demo Planned

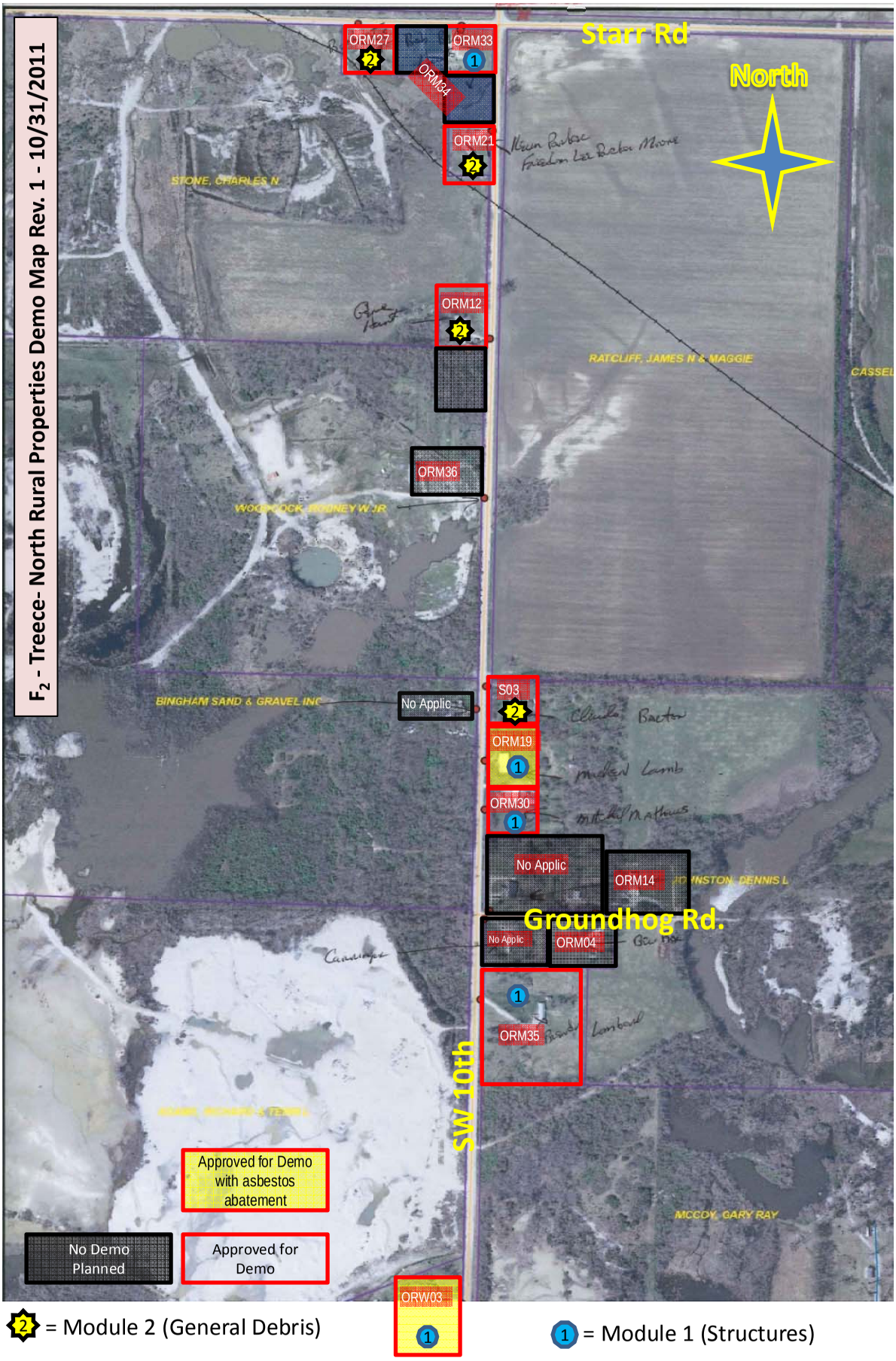
F_1 - Treece Demo Map - City Limits Rev 1 - 10/31/2011



1 = Module 1 (Structures)

2 = Module 2 (General Debris)

3 = Module 3 (Pavement)


F2 - Treece- North Rural Properties Demo Map Rev. 1 - 10/31/2011
Starr Rd
North
ORM27
ORM33
ORM34
ORM21
STONE, CHARLES N
ORM12
RATCLIFF, JAMES N & MAGGIE
ORM36
WOODCOCK, RODNEY W JR
BINGHAM SAND & GRAVEL INC
No Applic
S03
ORM19
ORM30
No Applic
ORM14
Groundhog Rd.
No Applic
ORM04
ORM35
SW 10th
MCCOY, GARY RAY
Approved for Demo with asbestos abatement
No Demo Planned
Approved for Demo
ORW03
= Module 2 (General Debris)
= Module 1 (Structures)

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building NR-2

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **12"x12" Brown Floor Tile** (mastic tested negative) located in the back room and hallway – Approximate Quantity: 500 SF

**Please note, that nonfriable, ACM, such as the floor tile only needs to be abated prior to demolition activities that may disturb and render it friable by means such as sanding, grinding, cutting or abrading.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: NR-2
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Hallway	Sheetrock/Joint Compound		No	NA	1	Tile positive/Mastic negative
NW Room	Sheetrock/Joint Compound		No	NA	2	
NEW Room	Sheetrock/Joint Compound		No	NA	3	
Back Room	**12"x12" Brown Floor Tile**/Mastic	**500 SF**	**YES**/No	**No**	**1**	
Hallway	**12"x12" Brown Floor Tile**/Mastic		**YES**/No	**No**	**2**	
Hallway	**12"x12" Brown Floor Tile**/Mastic		**YES**/No	**No**	**3**	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	7	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	8	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	9	
Restroom	Cream Sheet Vinyl Flooring/Underlayment	NA	No	NA	10	
Hallway	Cream Sheet Vinyl Flooring/Underlayment	NA	No/No	NA	11	
Restroom	Cream Sheet Vinyl Flooring/Underlayment	NA	No/No	NA	12	
Roof	Roof Shingle	NA	No	NA	13	
Roof	Roof Shingle	NA	No	NA	14	
Roof	Roof Shingle	NA	No	NA	15	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 12, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – NR2

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53537
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR2

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 1 — Material: Sheetrock / Joint compound
Layer No.: — Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 2 — Material: Sheetrock / Joint compound
Layer No.: — Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 3 — Material: Sheetrock / Joint compound
Layer No.: — Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 4 — Material: Floor tile
Layer No.: 1 — Analyst Description of Material: Tan flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 4 — Material: Adhesive
Layer No.: 2 — Analyst Description of Material: Yellow brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53537
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR2

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 5 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Tan flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 5 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Yellow brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Tan flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 6 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Yellow brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Gray thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53537
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR2

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 7 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	85	Bulk/Binder	10
		Hair	5		

Sample No.: 8 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Gray thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 8 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	85	Bulk/Binder	10
		Hair	5		

Sample No.: 9 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Gray thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	85	Bulk/Binder	10
		Hair	5		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53537
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR2

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 10 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Off-white compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	3
		Fibrous glass	2		

Sample No.: 10 | Material: Underlayment
Layer No.: 3 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	10
		Hair	10		

Sample No.: 11 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Off-white compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	3
		Fibrous glass	2		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53537
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR2

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 11 | Material: Underlayment
Layer No.: 3 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	10
		Hair	10		

Sample No.: 12 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Off-white compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	3
		Fibrous glass	2		

Sample No.: 12 | Material: Underlayment
Layer No.: 3 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	10
		Hair	10		

Sample No.: 13 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53537
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR2

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 14
Layer No.: ___
Material: Roof shingle
Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.: 15
Layer No.: ___
Material: Roof shingle
Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.: ___
Layer No.: ___
Material: ___
Analyst Description of Material: ___

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.: ___
Layer No.: ___
Material: ___
Analyst Description of Material: ___

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.: ___
Layer No.: ___
Material: ___
Analyst Description of Material: ___

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van

Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building NR-4

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **9"x9" Brown Floor Tile** (mastic tested negative) located in the back room – Approximate Quantity: 225 SF

- Nonfriable **Gold Floor Tile** (mastic tested negative) located in the doorway between the front and back rooms – Approximate Quantity: 1 SF

- Nonfriable **Cementitious Siding Panels** located on the exterior of the building – Approximate Quantity: 750 SF

**Please note, that nonfriable, category II ACM, such as the cementitious siding panels, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the panels. Additionally, non-friable ACM, such as*

the floor tile only needs to be abated prior to demolition activities that may disturb and render it friable by means such as sanding, grinding, cutting or abrading.

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: NR4
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Back Room	**9"x9" Brown Floor Tile**/Mastic	**225 SF**	**YES**/No	**No**	**1**	Tile positive/Mastic negative
Back Room	**9"x9" Brown Floor Tile**/Mastic		**YES**/No	**No**	**2**	
Back Room	**9"x9" Brown Floor Tile**/Mastic		**YES**/No	**No**	**3**	
Back Room	12"x12" Tan Floor Tile/Mastic	NA	No/No	No	4	
Back Room	12"x12" Tan Floor Tile/Mastic	NA	No/No	No	5	
Back Room	12"x12" Tan Floor Tile/Mastic	NA	No/No	No	6	
Bathroom	Brown Sheet Vinyl Flooring	NA	No	NA	7	
Bathroom	Brown Sheet Vinyl Flooring	NA	No	NA	8	
Bathroom	Brown Sheet Vinyl Flooring	NA	No	NA	9	
Front Room	12"x12" Gray Floor Tile/Mastic	NA	No/No	NA	10	
Front Room	12"x12" Gray Floor Tile/Mastic	NA	No/No	NA	11	
Front Room	12"x12" Gray Floor Tile/Mastic	NA	No/No	NA	12	
Front Room	1'x1' Ceiling Tile/Adhesive	NA	No/No	NA	13	
Back Room	1'x1' Ceiling Tile/Adhesive	NA	No/No	NA	14	
Back Room	1'x1' Ceiling Tile/Adhesive	NA	No/No	NA	15	
Front Room	Sheetrock/Joint Compound	NA	No	NA	16	
Back Room	Sheetrock/Joint Compound	NA	No	NA	17	
Back Room	Sheetrock/Joint Compound	NA	No	NA	18	
Middle Doorway	**Gold Floor Tile**/Mastic	**1 SF**	**YES**/No	**No**	**19**	Tile positive/Mastic negative
North Exterior	**Cementitious Siding**	**750 SF**	**YES**	**No**	**20**	
East Exterior	**Cementitious Siding**		Not Analyzed	No	21	
South Exterior	**Cementitious Siding**		Not Analyzed	No	22	
Roof	Roof Shingle	NA	No	NA	23	
Roof	Roof Shingle	NA	No	NA	24	
Roof	Roof Shingle	NA	No	NA	25	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 12, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – NR4

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 1 Material: Floor tile
Layer No.: 1 Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**10**			Bulk/Binder	90

Sample No.: 1 Material: Mastic
Layer No.: 2 Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 Material: Floor tile
Layer No.: 1 Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**10**			Bulk/Binder	90

Sample No.: 2 Material: Mastic
Layer No.: 2 Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3 Material: Floor tile
Layer No.: 1 Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**10**			Bulk/Binder	90

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 3 | Material: Mastic
Layer No.: 2 | Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Tan flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear gold sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Tan flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear gold sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 6 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Tan flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear gold sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Cream/brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: Flooring backing
Layer No.: 2 | Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	7
		Fibrous glass	3		

Sample No.: 8 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Cream/brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 8
Layer No.: 2
Material: Flooring backing
Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	7
		Fibrous glass	3		

Sample No.: 9
Layer No.: 1
Material: Sheet vinyl flooring
Analyst Description of Material: Cream/brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9
Layer No.: 2
Material: Flooring backing
Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	7
		Fibrous glass	3		

Sample No.: 10
Layer No.: 1
Material: Floor tile
Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10
Layer No.: 2
Material: Adhesive
Analyst Description of Material: Gold brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 11 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Gold brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 | Material: Floor tile
Layer No.: 1 | Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Gold brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 | Material: Ceiling tile
Layer No.: 1 | Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 13 | Material: Glue dot
Layer No.: 2 | Analyst Description of Material: Dk brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 | Material: Ceiling tile
Layer No.: 1 | Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: 14 | Material: Glue dot
Layer No.: 2 | Analyst Description of Material: Dk brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 | Material: Ceiling tile
Layer No.: 1 | Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: 15 | Material: Glue dot
Layer No.: 2 | Analyst Description of Material: Dk brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 16
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 17
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 18
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 19
Layer No.: 1
Material: Floor tile
Analyst Description of Material: Gold flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**7**			Bulk/Binder	93

Sample No.: 19
Layer No.: 2
Material: Mastic
Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53536
RUSH TAT ___
Project Name: Treece, Kansas
Address: NR4

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 20
Layer No.:
Material: Cementitious siding
Analyst Description of Material: Gray fibrous cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**15**			Bulk/Binder	85

Sample No.: 23
Layer No.:
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	35	Bulk/Binder	65

Sample No.: 24
Layer No.:
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	35	Bulk/Binder	65

Sample No.: 25
Layer No.:
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	35	Bulk/Binder	65

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Analyst: T. Van

Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-M-21

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Sheetrock Backing** located throughout in the structure – Approximate Quantity: XXX SF

**Please note, that friable ACM, such as the sheetrock backing, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-M-21
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**1**	**Asbestos-Containing Sheetrock Backing**
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**2**	
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**3**	
NW Room	1'x1' Ceiling Tile	NA	No	NA	4	
NW Room	1'x1' Ceiling Tile	NA	No	NA	5	
NW Room	1'x1' Ceiling Tile	NA	No	NA	6	
Hallway	2'x4' Ceiling Tile	NA	No	NA	7	
Hallway	2'x4' Ceiling Tile	NA	No	NA	8	
Hallway	2'x4' Ceiling Tile	NA	No	NA	9	
East Room	9"x9" Green Floor Tile/Mastic	NA	No/No	NA	10	
East Room	9"x9" Green Floor Tile/Mastic	NA	No/No	NA	11	
East Room	9"x9" Green Floor Tile/Mastic	NA	No/No	NA	12	
East Room	9"x9" Gray Floor Tile/Mastic	NA	No/No	NA	13	
East Room	9"x9" Gray Floor Tile/Mastic	NA	No/No	NA	14	
East Room	9"x9" Gray Floor Tile/Mastic	NA	No/No	NA	15	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	16	Top Layer
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	17	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	18	
NW Room	White Sheet Vinyl Flooring	NA	No	NA	19	Bottom Layer
NW Room	White Sheet Vinyl Flooring	NA	No	NA	20	
NW Room	White Sheet Vinyl Flooring	NA	No	NA	21	
SW Room	White Sheet Vinyl Flooring w/design	NA	No	NA	22	Top Layer
SW Room	White Sheet Vinyl Flooring w/design	NA	No	NA	23	
SW Room	White Sheet Vinyl Flooring w/design	NA	No	NA	24	

ACT

14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-M-21
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
SW Room	Orange/White Sheet Vinyl Flooring	NA	No	NA	25	Middle Layer
SW Room	Orange/White Sheet Vinyl Flooring	NA	No	NA	26	
SW Room	Orange/White Sheet Vinyl Flooring	NA	No	NA	27	
SW Room	Gray Sheet Vinyl Flooring	NA	No	NA	28	Bottom Layer
SW Room	Gray Sheet Vinyl Flooring	NA	No	NA	29	
North Center Room	Gray Sheet Vinyl Flooring	NA	No	NA	30	
Exterior	Brown Composite Siding	NA	No	NA	31	
Exterior	Brown Composite Siding	NA	No	NA	32	
Exterior	Brown Composite Siding	NA	No	NA	33	
Roof	Roof Shingle	NA	No	NA	34	
Roof	Roof Shingle	NA	No	NA	35	
Roof	Roof Shingle	NA	No	NA	36	

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14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-M-21

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 1 | Material: Sheetrock
Layer No.: 1 | Analyst Description of Material: Lt tan chalky / brown fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 1 | Material: Joint compound
Layer No.: 2 | Analyst Description of Material: White textured chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 | Material: Backing on white chalky material
Layer No.: 3 | Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**80**			Bulk/Binder	20

Sample No.: 2 | Material: Sheetrock
Layer No.: 1 | Analyst Description of Material: Lt tan chalky / brown fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 2 | Material: Joint compound
Layer No.: 2 | Analyst Description of Material: White textured chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 2 Material: Backing on white chalky material
Layer No.: 3 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**80**			Bulk/Binder	20

Sample No.: 3 Material: Sheetrock
Layer No.: 1 Analyst Description of Material: Lt tan chalky / brown fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 3 Material: Joint compound
Layer No.: 2 Analyst Description of Material: White textured chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3 Material: Backing on white chalky material
Layer No.: 3 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**80**			Bulk/Binder	20

Sample No.: 4 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 5 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Sample No.: 6 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Sample No.: 7 Material: 2x4 ceiling tile
Layer No.: Analyst Description of Material: Gray compact granular fibrous/white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	5
		Fibrous glass	40	Perlite	15

Sample No.: 8 Material: 2x4 ceiling tile
Layer No.: Analyst Description of Material: Gray compact granular fibrous/white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	5
		Fibrous glass	40	Perlite	15

Sample No.: 9 Material: 2x4 ceiling tile
Layer No.: Analyst Description of Material: Gray compact granular fibrous/white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	5
		Fibrous glass	40	Perlite	15

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 10 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Green flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 11 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Green flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 12 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Green flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 12 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 13 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 14 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 15 Material: 9x9 floor tile
Layer No.: 1 Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 Material: Underlayment
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 16 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 16 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 17 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 17 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 18 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 18 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 19 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 19 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 20 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 20 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 21 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 21 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 22 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White (design) flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 22 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 23 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White (design) flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 23 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 24 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White (design) flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 24 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 25 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Orange/white flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 25 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 26 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Orange/white flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 26 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 27 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Orange/white flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 27 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 28 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Gray/cream/orange flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 28 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 29 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Gray/cream/orange flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 29 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 30 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Gray/cream/orange flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 30 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 31 Material: Composite siding
Layer No.: Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 32 Material: Composite siding
Layer No.: Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 33 Material: Composite siding
Layer No.: Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT
Project Name: Treece, Kansas
Address: OR-M-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 34 Material: Roof shingle
Layer No.: Analyst Description of Material: Black tarry fibrous/ rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 35 Material: Roof shingle
Layer No.: Analyst Description of Material: Black tarry fibrous/ rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 36 Material: Roof shingle
Layer No.: Analyst Description of Material: Black tarry fibrous/ rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van Laboratory Director: Tami Van

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-M-26

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Sheetrock Backing** located throughout in the structure

**Please note, that friable ACM, such as the sheetrock backing, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-M-26
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**1**	**Asbestos-Containing Sheetrock Backing**
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**2**	
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**3**	
Roof	Roof Shingle	NA	No	NA	4	
Roof	Roof Shingle	NA	No	NA	5	
Roof	Roof Shingle	NA	No	NA	6	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 22, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-M-26

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53594
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-26

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 1 | Material: Sheetrock
Layer No.: 1 | Analyst Description of Material: White chalky / brown & white compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**3**	Cellulose	10	Bulk/Binder	87

Sample No.: 1 | Material: Joint compound
Layer No.: 2 | Analyst Description of Material: White shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 5 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 6 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Analyst: T. Van

Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-M-32

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **9"x9" Brown Floor Tile and Mastic** located in the Northwest Room (bottom layer) – Approximate Quantity: 100 SF

Non-friable ACM, such as the <u>floor tile and mastic</u> only needs to be abated prior to demolition activities that may disturb and render it friable by means such as sanding, grinding, cutting or abrading.

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-M-32
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Southwest Room	Sheetrock / Joint Compound	NA	No	NA	1	
Southwest Room	Sheetrock / Joint Compound	NA	No	NA	2	
Southwest Room	Sheetrock / Joint Compound	NA	No	NA	3	
East Room	1'x1' Ceiling Tile	NA	No	NA	4	
East Room	1'x1' Ceiling Tile	NA	No	NA	5	
East Room	1'x1' Ceiling Tile	NA	No	NA	6	
Northwest Room	Cream Vinyl Sheet Vinyl Flooring	NA	No	No	7	Top Layer
Northwest Room	Cream Vinyl Sheet Vinyl Flooring	NA	No	No	8	
Northwest Room	Cream Vinyl Sheet Vinyl Flooring	NA	No	No	9	
Northwest Room	**9"x9" Brown Floor Tile / Mastic**	**100 SF**	**Yes/Yes**	**No**	**10**	**Bottom Layer**
					11	**Not Analyzed**
					12	**Not Analyzed**
Exterior	Roof Shingles	NA	No	NA	13	
Exterior	Roof Shingles	NA	No	NA	14	
Exterior	Roof Shingles	NA	No	NA	15	
Exterior	Composite Siding	NA	No	NA	16	
Exterior	Composite Siding	NA	No	NA	17	
Exterior	Composite Siding	NA	No	NA	18	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-M-32

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van / M. Hatler
Submitted by: P. Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53544**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-32

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 1
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 2
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 3
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 4
Layer No.:
Material: 1x1 ceiling tile
Analyst Description of Material: Brown compact fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	98	Bulk/Binder	2

Sample No.: 5
Layer No.:
Material: 1x1 ceiling tile
Analyst Description of Material: Brown compact fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	98	Bulk/Binder	2

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van / M. Hatler
Submitted by: P. Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53544**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-32

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 6 | Material: 1x1 ceiling tile
Layer No.: | Analyst Description of Material: Brown compact fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	98	Bulk/Binder	2

Sample No.: 7 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	70	Bulk/Binder	20
		Fibrous glass	10		

Sample No.: 8 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 8 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	70	Bulk/Binder	20
		Fibrous glass	10		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: **B-53544**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-32

Date sample collected: 10/11-18/2011
Collected by: P. Van / M. Hatler
Submitted by: P. Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 9 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	70	Bulk/Binder	20
		Fibrous glass	10		

Sample No.: 10 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 10 | Material: Mastic
Layer No.: 2 | Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 13 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van / M. Hatler
Submitted by: P. Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53544**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-M-32

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 14 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 15 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 16 Material: Composite siding
Layer No.: Analyst Description of Material: Black fibrous tar/ green rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Sample No.: 17 Material: Composite siding
Layer No.: Analyst Description of Material: Black fibrous tar/ green rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Sample No.: 18 Material: Composite siding
Layer No.: Analyst Description of Material: Black fibrous tar/ green rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Analyst: T. Van Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-02

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **Cementitious Siding Panels** located on the exterior of the building – Approximate Quantity: 520 SF

**Please note, that nonfriable, category II ACM, such as the cementitious siding panels, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the panels.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-02
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Interior	Sheetrock/Joint Compound	NA	No	NA	1	
Interior	Sheetrock/Joint Compound	NA	No	NA	2	
Interior	Sheetrock/Joint Compound	NA	No	NA	3	
Bathroom	White Sheet Vinyl Flooring	NA	No	NA	4	
Bathroom	White Sheet Vinyl Flooring	NA	No	NA	5	
Bathroom	White Sheet Vinyl Flooring	NA	No	NA	6	
Exterior	**Cementitious Siding**	**520 SF**	**YES**	**No**	**7**	
Exterior	**Cementitious Siding**		Not Analyzed	No	8	
Exterior	**Cementitious Siding**		Not Analyzed	No	9	
Exterior	Composite Siding	NA	No	NA	10	
Exterior	Composite Siding	NA	No	NA	11	
Exterior	Composite Siding	NA	No	NA	12	
Roof	Roof Shingle	NA	No	NA	13	
Roof	Roof Shingle	NA	No	NA	14	
Roof	Roof Shingle	NA	No	NA	15	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 24, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-02

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53625
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-02

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 1 — Material: Sheetrock / Joint compound
Layer No.: — Analyst Description of Material: White chalky/ brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	10	Bulk/Binder	90

Sample No.: 2 — Material: Sheetrock / Joint compound
Layer No.: — Analyst Description of Material: White chalky/ brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	10	Bulk/Binder	90

Sample No.: 3 — Material: Sheetrock / Joint compound
Layer No.: — Analyst Description of Material: White chalky/ brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	10	Bulk/Binder	90

Sample No.: 4 — Material: Linoleum
Layer No.: 1 — Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 — Material: Linoleum backing
Layer No.: 2 — Analyst Description of Material: Off-white fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	5	Bulk/Binder	95

Analyst: T. Van — Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53625**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-02

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 5 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Off-white fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	5	Bulk/Binder	95

Sample No.: 6 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Off-white fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	5	Bulk/Binder	95

Sample No.: 7 Material: Transite siding
Layer No.: Analyst Description of Material: Gray fibrous cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**15**			Bulk/Binder	85

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53625
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-02

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 10 Material: Composite siding
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	50

Sample No.: 11 Material: Composite siding
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	50

Sample No.: 12 Material: Composite siding
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	50

Sample No.: 13 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	15	Bulk/Binder	85

Sample No.: 14 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	15	Bulk/Binder	85

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53625
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-02

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 15
Layer No.:
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	15	Bulk/Binder	85

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van

Laboratory Director: Tami Van

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Commercial Structure – Building OR-W-04

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant commercial structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- **Joint Compound** associated with the sheetrock material (sheetrock tested negative, composite analysis indicates the sheetrock/joint compound material is "trace", which is <u>less than</u> >1%. The EPA and the State of Kansas consider this material to be <u>not</u> asbestos-containing

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-04
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Hallway	12"x12" Brown Floor Tile/Mastic	NA	No	NA	1	
Hallway	12"x12" Brown Floor Tile/Mastic	NA	No	NA	2	
Bathroom	12"x12" Brown Floor Tile/Mastic	NA	No	NA	3	Top Layer
Kitchen	Cream Vinyl Flooring	NA	No	NA	4	
Kitchen	Cream Vinyl Flooring	NA	No	NA	5	
Kitchen	Cream Vinyl Flooring	NA	No	NA	6	
Bathroom	12"x12" White Floor Tile/Mastic	NA	No	NA	7	Bottom Layer
Bathroom	12"x12" White Floor Tile/Mastic	NA	No	NA	8	
Bathroom	12"x12" White Floor Tile/Mastic	NA	No	NA	9	
Hallway	Sheetrock/Joint Compound	NA	*Trace*	NA	10	SR = Negative JC =Positive -Composite Trace
Kitchen	Sheetrock/Joint Compound	NA	*Trace*	NA	11	SR = Negative JC =Positive -Composite Trace
Backroom	Sheetrock/Joint Compound	NA	*Trace*	NA	12	SR = Negative JC =Positive -Composite Trace
Roof	Roof Shingle	NA	No	NA	13	
Roof	Roof Shingle	NA	No	NA	14	
Roof	Roof Shingle	NA	No	NA	15	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 14, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-04

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53546
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-04

Date sample collected: 10/11/2011
Collected by: Paul Van / Mark Hatler
Submitted by: Paul Van / Mark Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/14/2011

Sample No.: 1 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53546
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-04

Date sample collected: 10/11/2011
Collected by: Paul Van / Mark Hatler
Submitted by: Paul Van / Mark Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/14/2011

Sample No.: 3 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Fibrous glass	10		

Sample No.: 5 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Fibrous glass	10		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53546
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-04

Date sample collected: 10/11/2011
Collected by: Paul Van / Mark Hatler
Submitted by: Paul Van / Mark Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/14/2011

Sample No.: 6 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Fibrous glass	10		

Sample No.: 7 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: White/blue flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 8 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: White/blue flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53546
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-04

Date sample collected: 10/11/2011
Collected by: Paul Van / Mark Hatler
Submitted by: Paul Van / Mark Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/14/2011

Sample No.: 8 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: White/blue flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only - 2%**

Sample No.: 11 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only - 2%**

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53546
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-04

Date sample collected: 10/11/2011
Collected by: Paul Van / Mark Hatler
Submitted by: Paul Van / Mark Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/14/2011

Sample No.: 12 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only - 2%**

Sample No.: 13 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 14 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 15 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Analyst: T. Van Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 20, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Residential Structure – Building OR-W-05

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant residential structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed between October 11 and 18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Dark Brown Vinyl Sheet Flooring Backing** located in the bathroom – Approximate Quantity: 144 SF

**Please note, that friable ACM, such as the vinyl sheet flooring, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-05
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Back Porch	12"x12" Green Floor Tile / Adhesive	NA	No/No	No	1	Top Layer
Back Porch	12"x12" Green Floor Tile / Adhesive	NA	No/No	No	2	
Back Porch	12"x12" Green Floor Tile / Adhesive	NA	No/No	No	3	
Back Porch	12"x12" Cream Floor Tile / Adhesive	NA	No/No	No	4	2nd Layer
Back Porch	12"x12" Cream Floor Tile / Adhesive	NA	No/No	No	5	
Back Porch	12"x12" Cream Floor Tile / Adhesive	NA	No/No	No	6	
Back Porch	12"x12" Gray Floor Tile / Adhesive	NA	No/No	No	7	3rd Layer
Back Porch	12"x12" Gray Floor Tile / Adhesive	NA	No/No	No	8	
Back Porch	12"x12" Gray Floor Tile / Adhesive	NA	No/No	No	9	
Back Porch	12"x12" White Floor Tile / Adhesive	NA	No/No	No	10	4th Layer
Back Porch	12"x12" White Floor Tile / Adhesive	NA	No/No	No	11	
Back Porch	12"x12" White Floor Tile / Adhesive	NA	No/No	No	12	
Bathroom	9"x9" White Floor Tile / Mastic	NA	No/No	No	13	
Bathroom	9"x9" White Floor Tile / Mastic	NA	No/No	No	14	
Bathroom	9"x9" White Floor Tile / Mastic	NA	No/No	No	15	
Interior	Sheetrock / Joint Compound	NA	No	No	16	
Interior	Sheetrock / Joint Compound	NA	No	No	17	
Interior	Sheetrock / Joint Compound	NA	No	No	18	
Exterior	Roof Shingles	NA	No	No	19	
Exterior	Roof Shingles	NA	No	No	20	
Exterior	Roof Shingles	NA	No	No	21	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 20, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-05

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53588
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 1 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Gray/white flat thin hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Gray/white flat thin hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Gray/white flat thin hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: **B-53588**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 3 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: Cream flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 Material: 12x12 floor tile
Layer No.: 1 Analyst Description of Material: Cream flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53588
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 6 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Cream flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 8 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53588
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 8 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: White flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53588
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 11 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: White flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 12 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: White flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 | Material: Backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 13 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: **B-53588**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 13 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Tan brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 Material: 9x9 floor tile
Layer No.: 1 Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Tan brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 Material: 9x9 floor tile
Layer No.: 1 Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 Material: Adhesive
Layer No.: 2 Analyst Description of Material: Tan brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53588
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 16 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 17 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 18 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	20	Bulk/Binder	80

Sample No.: 19 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 20 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53588
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-05

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 21 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 22 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: 23 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: 24 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Analyst: T. Van Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-07

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Yellow Sheet Vinyl Flooring** located in the Kitchen – Approximate Quantity: 250 SF

**Please note, that friable ACM, such as the sheet vinyl flooring, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-07
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Kitchen	Brown Vinyl Sheet Flooring	NA	No	No	1	
Kitchen	Brown Vinyl Sheet Flooring	NA	No	No	2	
Kitchen	Brown Vinyl Sheet Flooring	NA	No	No	3	
Kitchen	**Yellow Vinyl Sheet Flooring**	**250 SF**	**Yes**	**Yes**	**4**	**Bottom Layer**
					5	**Not Analyzed**
					6	**Not Analyzed**
Kitchen	Green/Yellow Vinyl Sheet Flooring	NA	No	No	7	
Kitchen	Green/Yellow Vinyl Sheet Flooring	NA	No	No	8	
Kitchen	Green/Yellow Vinyl Sheet Flooring	NA	No	No	9	
Living Room	White Vinyl Sheet Flooring	NA	No	No	10	
Living Room	White Vinyl Sheet Flooring	NA	No	No	11	
Living Room	White Vinyl Sheet Flooring	NA	No	No	12	
Interior	Sheetrock / Joint Compound*	NA	Trace	No	13	
Interior	Sheetrock / Joint Compound*	NA	Trace	No	14	
Interior	Sheetrock / Joint Compound*	NA	Trace	No	15	
Exterior	Roofing Shingles	NA	No	No	16	
Exterior	Roofing Shingles	NA	No	No	17	
Exterior	Roofing Shingles	NA	No	No	18	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 22, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-07

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53631
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-07

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 1 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	70	Bulk/Binder	25
		Fibrous glass	5		

Sample No.: 2 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	70	Bulk/Binder	25
		Fibrous glass	5		

Sample No.: 3 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53631**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-07

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 3 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	70	Bulk/Binder	25
		Fibrous glass	5		

Sample No.: 4 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Yellow flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Sample No.: 7 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green/yellow flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	35
		Hair	5		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53631
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-07

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 8 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green/yellow flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 8 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	35
		Hair	5		

Sample No.: 9 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green/yellow flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	35
		Hair	5		

Sample No.: 10 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53631
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-07

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 10 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53631**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-07

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 13 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only -2%**

Sample No.: 14 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only -2%**

Sample No.: 15 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only -2%**

Sample No.: 16 Material: Shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Sample No.: 17 Material: Shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53631
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-07

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 18
Layer No.:
Material: Shingle
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Analyst: T. Van

Laboratory Director: Tami Van

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-08

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed between October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **9"x9" Brown Floor Tile** (mastic tested negative) located in the Hallway, beneath carpet – Approximate Quantity: 24 SF

- **Sheetrock/Joint Compound* located throughout the structure.

The sheetrock tested negative for asbestos, the joint compound tested positive for asbestos, however, the EPA and KDHE allow the laboratory to composite the joint compound and the sheetrock together and treat the sample as 1 material. In this case, the composited analysis indicates that the material has only a "trace" of asbestos, less than the greater than 1% asbestos, which means the sheetrock and joint compound composite material is considered **not an asbestos-containing material.*

**Please note, that nonfriable ACM, such as the floor tile only needs to be abated prior to demolition activities that may disturb and render it friable by means such as sanding, grinding, cutting or abrading.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-08
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	NA	*1*	*Joint Compound tested positive/sheetrock tested negative, composite analysis indicates a TRACE amount of asbestos*
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	NA	*2*	
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	NA	*3*	
Interior	Plaster	NA	No	NA	4	
Interior	Plaster	NA	No	NA	5	
Interior	Plaster	NA	No	NA	6	
Hallway	**9"x9" Brown Floor Tile**/Mastic	**24 SF**	**YES**/No	No	**7**	Tile=Positive Mastic=Negative - Beneath Carpet
Hallway	**9"x9" Brown Floor Tile**/Mastic		**YES**/No	No	**8**	
Hallway	**9"x9" Brown Floor Tile**/Mastic		**YES**/No	No	**9**	
Bathroom	Cream Vinyl Sheet Vinyl Flooring	NA	No	NA	10	
Bathroom	Cream Vinyl Sheet Vinyl Flooring	NA	No	NA	11	
Bathroom	Cream Vinyl Sheet Vinyl Flooring	NA	No	NA	12	
Main Room	Cream Vinyl Sheet Vinyl Flooring	NA	No	NA	13	
Main Room	Cream Vinyl Sheet Vinyl Flooring	NA	No	NA	14	
Main Room	Cream Vinyl Sheet Vinyl Flooring	NA	No	NA	15	
Kitchen	White/Green Sheet Vinyl Flooring	NA	No	NA	16	Top Layer
Kitchen	White/Green Sheet Vinyl Flooring	NA	No	NA	17	
Kitchen	White/Green Sheet Vinyl Flooring	NA	No	NA	18	
Backroom	White Sheet Vinyl Flooring	NA	No	NA	19	Middle Layer
Backroom	White Sheet Vinyl Flooring	NA	No	NA	20	
Backroom	White Sheet Vinyl Flooring	NA	No	NA	21	
Backroom	Brown Sheet Vinyl Flooring	NA	No	NA	22	Bottom Layer
Backroom	Brown Sheet Vinyl Flooring	NA	No	NA	23	
Backroom	Brown Sheet Vinyl Flooring	NA	No	NA	24	
Roof	Roof Shingle	NA	No	NA	25	
Roof	Roof Shingle	NA	No	NA	26	
Roof	Roof Shingle	NA	No	NA	27	

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14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 24, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-08

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53622**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 1
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/off-white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	12	Bulk/Binder	87.9

****Asbestos in joint compound only - 2%**

Sample No.: 2
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/off-white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	12	Bulk/Binder	87.9

****Asbestos in joint compound only - 2%**

Sample No.: 3
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/off-white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	12	Bulk/Binder	87.9

****Asbestos in joint compound only - 2%**

Sample No.: 4
Layer No.:
Material: Plaster
Analyst Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5
Layer No.:
Material: Plaster
Analyst Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53622**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 6 | Material: Plaster
Layer No.: | Analyst Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 7 | Material: Mastic
Layer No.: 2 | Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 8 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 8 | Material: Mastic
Layer No.: 2 | Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 9 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Brown flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**5**			Bulk/Binder	95

Sample No.: 9 | Material: Mastic
Layer No.: 2 | Analyst Description of Material: Black tarry

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Flooring
Layer No.: 1 | Analyst Description of Material: Cream flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Flooring backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	35	Bulk/Binder	65

Sample No.: 11 | Material: Flooring
Layer No.: 1 | Analyst Description of Material: Cream flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 11 Material: Flooring backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	35	Bulk/Binder	65

Sample No.: 12 Material: Flooring
Layer No.: 1 Analyst Description of Material: Cream flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 Material: Flooring backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	35	Bulk/Binder	65

Sample No.: 13 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	5	Bulk/Binder	95

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 14 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	5	Bulk/Binder	95

Sample No.: 15 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	5	Bulk/Binder	95

Sample No.: 16 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White/green flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 16 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	30
		Fibrous glass	5		
		Synthetic	5		

Sample No.: 17 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White/green flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 17 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	30
		Fibrous glass	5		
		Synthetic	5		

Sample No.: 18 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White/green flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 18 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	30
		Fibrous glass	5		
		Synthetic	5		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 19 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 19 | Material:
Layer No.: 2 | Analyst Description of Material: White/black compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Hair	10		

Sample No.: 20 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 20 | Material:
Layer No.: 2 | Analyst Description of Material: White/black compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Hair	10		

Sample No.: 21 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 21
Layer No.: 2
Material:
Analyst Description of Material: White/black compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Hair	10		

Sample No.: 22
Layer No.: 1
Material: Linoleum
Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 22
Layer No.: 2
Material: Linoleum backing
Analyst Description of Material: Black compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	25

Sample No.: 23
Layer No.: 1
Material: Linoleum
Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 23
Layer No.: 2
Material: Linoleum backing
Analyst Description of Material: Black compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	25

Analyst: T. Van
Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53622
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-08

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 24 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 24 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Black compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	25

Sample No.: 25 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Sample No.: 26 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Sample No.: 27 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	40

Analyst: T. Van Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-10

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed between October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Dark Brown Vinyl Sheet Flooring Backing** located in the bathroom – Approximate Quantity: 144 SF

- **Sheetrock/Joint Compound* located throughout the structure.

Please note, that friable ACM, such as the vinyl sheet flooring, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition.

**The sheetrock tested negative for asbestos, the joint compound tested positive for asbestos, however, the EPA and KDHE allow the laboratory to composite the joint compound and the sheetrock together and treat the sample as 1 material. In this case, the composited analysis indicates that the material has only a "trace" of asbestos, less than*

*the greater than 1% asbestos, which means the sheetrock and joint compound composite material is considered **not** an asbestos-containing material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-10
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Dining Room	Brown Vinyl Sheet Flooring	NA	No/No	No	1	
Dining Room	Brown Vinyl Sheet Flooring	NA	No/No	No	2	
Dining Room	Brown Vinyl Sheet Flooring	NA	No/No	No	3	
Dining Room	1'x1' Ceiling Tile	NA	No	No	4	
Dining Room	1'x1' Ceiling Tile	NA	No	No	5	
Dining Room	1'x1' Ceiling Tile	NA	No	No	6	
Interior	Plaster	NA	No	No	7	
Interior	Plaster	NA	No	No	8	
Interior	Plaster	NA	No	No	9	
Kitchen	White Vinyl Sheet Flooring	NA	No	No	10	
Kitchen	White Vinyl Sheet Flooring	NA	No	No	11	
Kitchen	White Vinyl Sheet Flooring	NA	No	No	12	
Bathroom	**Dark Brown Vinyl Sheet Flooring**	**144 SF**	**No/Yes**	**Yes**	**13**	
					14	**Not Analyzed**
					15	**Not Analyzed**
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	*No*	*16*	*Joint Compound tested positive/sheetrock tested negative, compositie analysis indicates a TRACE amount of asbestos*
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	*No*	*17*	
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	*No*	*18*	
Exterior	Roofing Shingles	NA	No	No	19	
Exterior	Roofing Shingles	NA	No	No	20	
Exterior	Roofing Shingles	NA	No	No	21	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 19, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-10

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53584
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 1 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 Material: Backing
Layer No.: 2 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	44
		Fiberglass	3		
		Synthetic	3		

Sample No.: 1 Material: Backing
Layer No.: 3 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	20
		Hair	5		

Sample No.: 2 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 Material: Backing
Layer No.: 2 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	44
		Fiberglass	3		
		Synthetic	3		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53584
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 2 | Material: Backing
Layer No.: 3 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	20
		Hair	5		

Sample No.: 3 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3 | Material: Backing
Layer No.: 2 | Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	44
		Fiberglass	3		
		Synthetic	3		

Sample No.: 3 | Material: Backing
Layer No.: 3 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	20
		Hair	5		

Sample No.: 4 | Material: 1'x1' Ceiling Tile
Layer No.: | Analyst Description of Material: Brown compact fibrous/paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53584
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 5 Material: 1'x1' Ceiling Tile
Layer No.: Analyst Description of Material: Brown compact fibrous/paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Sample No.: 6 Material: 1'x1' Ceiling Tile
Layer No.: Analyst Description of Material: Brown compact fibrous/paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Sample No.: 7 Material: Plaster
Layer No.: Analyst Description of Material: Gray rocky cementitious / white chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Hair	<1	Bulk/Binder	99.9

Sample No.: 8 Material: Plaster
Layer No.: Analyst Description of Material: Gray rocky cementitious / white chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Hair	<1	Bulk/Binder	99.9

Sample No.: 9 Material: Plaster
Layer No.: Analyst Description of Material: Gray rocky cementitious / white chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Hair	<1	Bulk/Binder	99.9

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: **B-53584**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 10 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	44
		Fibrous glass	3		
		Synthetic	3		

Sample No.: 11 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	44
		Fibrous glass	3		
		Synthetic	3		

Sample No.: 12 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: **B-53584**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 12 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	44
		Fibrous glass	3		
		Synthetic	3		

Sample No.: 13 Material: Linoleum
Layer No.: 1 € Analyst Description of Material: Dk brown/white flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 Material: Linoleum backing
Layer No.: 2 € Analyst Description of Material: Off-white compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Sample No.: 16 Material: Sheetrock / Joint compound
Layer No.: ___ € Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	100

****Asbestos in joint compound only- 2%**

Sample No.: 17 Material: Sheetrock / Joint compound
Layer No.: ___ € Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	100

****Asbestos in joint compound only- 2%**

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: **B-53584**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 18 Material: Sheetrock / Joint compound
Layer No.: € Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	100

****Asbestos in joint compound only- 2%**

Sample No.: 19 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 20 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 21 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 22 Material: Composite roof sheets
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: **B-53584**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-10

Project No.:
Analyst: Tami Van
Analysis Date: 10/19/2011

Sample No.: 23
Layer No.:
Material: Composite roof sheets
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.: 24
Layer No.:
Material: Composite roof sheets
Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	20	Bulk/Binder	80

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van

Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 24, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-12

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Brown Sheet Vinyl Flooring** located in the Living Room (bottom layer) – Approximate Quantity: 225 SF
- Friable **Cream Sheet Vinyl Flooring** located in the Kitchen (bottom layer) – Approximate Quantity: 20 SF
- Friable **Blue Sheet Vinyl Flooring** located in the Hallway – Approximate Quantity: 20 SF
- **Sheetrock/Joint Compound* located throughout the structure.

**Please note, that friable ACM, such as the sheet vinyl flooring, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

The sheetrock tested negative for asbestos, the joint compound tested positive for asbestos, however, the EPA and KDHE allow the laboratory to composite the joint compound and the sheetrock together and treat the sample as 1 material. In this case, the composited analysis indicates that the material has only a "trace" of asbestos, less than the greater than 1% asbestos, which means the sheetrock and joint compound composite material is considered **not an asbestos-containing material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-12
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Living Room	Red Vinyl Sheet Flooring	NA	No	No	1	Top Layer
Living Room	Red Vinyl Sheet Flooring	NA	No	No	2	
Living Room	Red Vinyl Sheet Flooring	NA	No	No	3	
Living Room	**Brown Vinyl Sheet Flooring**	**225 SF**	**Yes**	**Yes**	**4**	**Bottom Layer**
					5	**Not Analyzed**
					6	**Not Analyzed**
Kitchen	Brown Vinyl Sheet Flooring	NA	No	No	7	Top Layer
Kitchen	Brown Vinyl Sheet Flooring	NA	No	No	8	
Kitchen	Brown Vinyl Sheet Flooring	NA	No	No	9	
Kitchen	**Cream Vinyl Sheet Flooring**	**20 SF**	**Yes**	**Yes**	**10**	**Bottom Layer**
					11	**Not Analyzed**
					12	**Not Analyzed**
Hallway	**Blue Vinyl Sheet Flooring**	**20 SF**	**Yes**	**Yes**	**13**	
					14	**Not Analyzed**
					15	**Not Analyzed**
Bathroom	White/Blue Vinyl Sheet Flooring	NA	No	No	16	
Bathroom	White/Blue Vinyl Sheet Flooring	NA	No	No	17	
Bathroom	White/Blue Vinyl Sheet Flooring	NA	No	No	18	
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	*No*	*19*	*Joint Compound tested positive/sheetrock tested negative, compositie analysis indicates a TRACE amount of asbestos*
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	*No*	*20*	
Interior	*Sheetrock / Joint Compound**	*NA*	*Trace*	*No*	*21*	
Exterior	Roofing Shingles	NA	No	No	22	
Exterior	Roofing Shingles	NA	No	No	23	
Exterior	Roofing Shingles	NA	No	No	24	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 24, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-12

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

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If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53621
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 1 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Red flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	20

Sample No.: 2 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Red flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	20

Sample No.: 3 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Red flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53621**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 3 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	20

Sample No.: 4 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Sample No.: 5 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53621
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 6 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Sample No.: 7 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	25

Sample No.: 8 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53621**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 8 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	25

Sample No.: 9 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Brown flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	25

Sample No.: 10 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 Material: Linoleum
Layer No.: 2 Analyst Description of Material: Off-white compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53621**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 13 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Blue flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Sample No.: 16 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White/blue flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 16 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Tan fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	12	Bulk/Binder	88

Sample No.: 17 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: White/blue flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: **B-53621**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 17 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	12	Bulk/Binder	88

Sample No.: 18 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White/blue flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 18 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Tan fibrous spongy

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	12	Bulk/Binder	88

Sample No.: 19 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/off-white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only - 2%**

Sample No.: 20 Material: Sheetrock / Joint compound
Layer No.: Analyst Description of Material: White chalky/brown fibrous/off-white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only - 2%**

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53621
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-12

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 21
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/off-white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**<1**	Cellulose	15	Bulk/Binder	84.9

****Asbestos in joint compound only - 2%**

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van

Laboratory Director: Tami Van

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14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-21

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Sheetrock Backing** located throughout in the structure – Approximate Quantity: XXX SF

**Please note, that friable ACM, such as the sheetrock backing, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-21
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**1**	**Asbestos-Containing Sheetrock Backing**
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**2**	
Interior	**Sheetrock Backing**/Joint Compound		**YES**	**Yes**	**3**	
NW Room	1'x1' Ceiling Tile	NA	No	NA	4	
NW Room	1'x1' Ceiling Tile	NA	No	NA	5	
NW Room	1'x1' Ceiling Tile	NA	No	NA	6	
Hallway	2'x4' Ceiling Tile	NA	No	NA	7	
Hallway	2'x4' Ceiling Tile	NA	No	NA	8	
Hallway	2'x4' Ceiling Tile	NA	No	NA	9	
East Room	9"x9" Green Floor Tile/Mastic	NA	No/No	NA	10	
East Room	9"x9" Green Floor Tile/Mastic	NA	No/No	NA	11	
East Room	9"x9" Green Floor Tile/Mastic	NA	No/No	NA	12	
East Room	9"x9" Gray Floor Tile/Mastic	NA	No/No	NA	13	
East Room	9"x9" Gray Floor Tile/Mastic	NA	No/No	NA	14	
East Room	9"x9" Gray Floor Tile/Mastic	NA	No/No	NA	15	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	16	Top Layer
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	17	
NW Room	Green Sheet Vinyl Flooring	NA	No	NA	18	
NW Room	White Sheet Vinyl Flooring	NA	No	NA	19	Bottom Layer
NW Room	White Sheet Vinyl Flooring	NA	No	NA	20	
NW Room	White Sheet Vinyl Flooring	NA	No	NA	21	
SW Room	White Sheet Vinyl Flooring w/design	NA	No	NA	22	Top Layer
SW Room	White Sheet Vinyl Flooring w/design	NA	No	NA	23	
SW Room	White Sheet Vinyl Flooring w/design	NA	No	NA	24	

ACT

14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-M-21
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
SW Room	Orange/White Sheet Vinyl Flooring	NA	No	NA	25	Middle Layer
SW Room	Orange/White Sheet Vinyl Flooring	NA	No	NA	26	
SW Room	Orange/White Sheet Vinyl Flooring	NA	No	NA	27	
SW Room	Gray Sheet Vinyl Flooring	NA	No	NA	28	Bottom Layer
SW Room	Gray Sheet Vinyl Flooring	NA	No	NA	29	
North Center Room	Gray Sheet Vinyl Flooring	NA	No	NA	30	
Exterior	Brown Composite Siding	NA	No	NA	31	
Exterior	Brown Composite Siding	NA	No	NA	32	
Exterior	Brown Composite Siding	NA	No	NA	33	
Roof	Roof Shingle	NA	No	NA	34	
Roof	Roof Shingle	NA	No	NA	35	
Roof	Roof Shingle	NA	No	NA	36	

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14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-21

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 1 Material: Sheetrock
Layer No.: 1 Analyst Description of Material: Lt tan chalky / brown fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 1 Material: Joint compound
Layer No.: 2 Analyst Description of Material: White textured chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 Material: Backing on white chalky material
Layer No.: 3 Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**80**			Bulk/Binder	20

Sample No.: 2 Material: Sheetrock
Layer No.: 1 Analyst Description of Material: Lt tan chalky / brown fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 2 Material: Joint compound
Layer No.: 2 Analyst Description of Material: White textured chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 2 | Material: Backing on white chalky material
Layer No.: 3 | Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**80**			Bulk/Binder	20

Sample No.: 3 | Material: Sheetrock
Layer No.: 1 | Analyst Description of Material: Lt tan chalky / brown fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	15	Bulk/Binder	85

Sample No.: 3 | Material: Joint compound
Layer No.: 2 | Analyst Description of Material: White textured chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3 | Material: Backing on white chalky material
Layer No.: 3 | Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**80**			Bulk/Binder	20

Sample No.: 4 | Material: 1x1 ceiling tile
Layer No.: | Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 5 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Sample No.: 6 Material: 1x1 ceiling tile
Layer No.: Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	95	Bulk/Binder	5

Sample No.: 7 Material: 2x4 ceiling tile
Layer No.: Analyst Description of Material: Gray compact granular fibrous/white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	5
		Fibrous glass	40	Perlite	15

Sample No.: 8 Material: 2x4 ceiling tile
Layer No.: Analyst Description of Material: Gray compact granular fibrous/white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	5
		Fibrous glass	40	Perlite	15

Sample No.: 9 Material: 2x4 ceiling tile
Layer No.: Analyst Description of Material: Gray compact granular fibrous/white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	5
		Fibrous glass	40	Perlite	15

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 10 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Green flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 11 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Green flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 11 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 12 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Green flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 12 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 13 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 14 | Material: 9x9 floor tile
Layer No.: 1 | Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 | Material: Underlayment
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-WM-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 15 Material: 9x9 floor tile
Layer No.: 1 Analyst Description of Material: Gray flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 Material: Underlayment
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Hair	5		

Sample No.: 16 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 16 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 17 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 17 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 18 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Green flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 18 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 19 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 19 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 20 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 20 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 21 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 21 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 22 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White (design) flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 22 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 23 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White (design) flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 23 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 24 Material: Linoleum
Layer No.: 1 Analyst Description of Material: White (design) flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 24 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

REPORT NO.: **B-53545**
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 25 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Orange/white flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 25 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 26 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Orange/white flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 26 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 27 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Orange/white flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 27 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 28 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Gray/cream/orange flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 28 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 29 Material: Linoleum
Layer No.: 1 Analyst Description of Material: Gray/cream/orange flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 29 Material: Linoleum backing
Layer No.: 2 Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 30 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Gray/cream/orange flat thin brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 30 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Black tarry fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	90	Bulk/Binder	8
		Hair	2		

Sample No.: 31 | Material: Composite siding
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 32 | Material: Composite siding
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 33 | Material: Composite siding
Layer No.: | Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11/2011
Collected by: P.Van / M. Hatler
Submitted by: P.Van / M. Hatler
Date sample submitted: 10/12/2011

REPORT NO.: B-53545
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-21

Project No.:
Analyst: Tami Van
Analysis Date: 10/25/2011

Sample No.: 34 Material: Roof shingle
Layer No.: Analyst Description of Material: Black tarry fibrous/ rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 35 Material: Roof shingle
Layer No.: Analyst Description of Material: Black tarry fibrous/ rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: 36 Material: Roof shingle
Layer No.: Analyst Description of Material: Black tarry fibrous/ rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	65	Bulk/Binder	25
		Hair	10		

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van Laboratory Director: Tami Van

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-22

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces. The structure has suffered extensive fire damage.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **Cementitious Siding Panels** located on the exterior of the building – Approximate Quantity: 300 SF

**Please note, that nonfriable, category II ACM, such as the cementitious siding panels, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the panels.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-22
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Exterior	**Cementitious Siding**	**300 SF**	**YES**	**No**	**1**	
Exterior	**Cementitious Siding**		Not Analyzed	No	2	
Exterior	**Cementitious Siding**		Not Analyzed	No	3	
Roof	Roof Shingle	NA	No	NA	4	
Roof	Roof Shingle	NA	No	NA	5	
Roof	Roof Shingle	NA	No	NA	6	
	Structure has suffered extensive fire damage					

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 12, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-22

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: P. Van
Submitted by: P. Van
Date sample submitted: 10/24/2011

REPORT NO.: B-53626
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-22

Project No.:
Analyst: Tami Van
Analysis Date: 10/24/2011

Sample No.: 1 Material: Transite siding
Layer No.: Analyst Description of Material: Gray fibrous cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**15**			Bulk/Binder	85

Sample No.: 4 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	50

Sample No.: 5 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	50

Sample No.: 6 Material: Roof shingle
Layer No.: Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	50	Bulk/Binder	50

Sample No.: Material:
Layer No.: Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Analyst: T. Van Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 27, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building OR-W-23

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Red Sheet Vinyl Flooring Backing** located in the bathroom (beneath carpet) – Approximate Quantity: 60 SF

**Please note, that friable, ACM, such as the sheet vinyl flooring needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: OR-W-23
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Bathroom	**Red Sheet Vinyl Flooring Backing**	**60 SF**	**YES**	**Yes**	**1**	
Bathroom	**Red Sheet Vinyl Flooring Backing**		Not Analyzed	**Yes**	**2**	
Bathroom	**Red Sheet Vinyl Flooring Backing**		Not Analyzed	**Yes**	**3**	
Roof	Roof Shingle	NA	No	NA	4	
Roof	Roof Shingle	NA	No	NA	5	
Roof	Roof Shingle	NA	No	NA	6	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 12, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – OR-W-23

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/10/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/11/2011

REPORT NO.: B-53535
RUSH TAT ___
Project Name: Treece, Kansas
Address: OR-W-23

Project No.:
Analyst: Tami Van
Analysis Date: 10/12/2011

Sample No.: 1 | Material: Sheet vinyl flooring
Layer No.: 1 | Analyst Description of Material: Red/black flat grooved pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 1 | Material: Flooring backing
Layer No.: 2 | Analyst Description of Material: White compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**65**			Bulk/Binder	35

Sample No.: 4 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	30	Bulk/Binder	70

Sample No.: 5 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	30	Bulk/Binder	70

Sample No.: 6 | Material: Roof shingle
Layer No.: | Analyst Description of Material: Black fibrous tar / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Fibrous glass	30	Bulk/Binder	70

Analyst: T. Van

Laboratory Director: **Tami Van**

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building S-10 (V-12)

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Nonfriable **Roof Coating** (Roofing tested negative, top coating tested positive for asbestos) located on the roof

**Please note that nonfriable ACM, such as the roof coating only needs to be abated prior to demolition activities that may disturb and render it friable by means such as sanding, grinding, cutting or abrading.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: S-10 (V-12)
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Bathroom	Tan Sheet Vinyl Flooring	NA	No	NA	1	
Bathroom	Tan Sheet Vinyl Flooring	NA	No	NA	2	
Bathroom	Tan Sheet Vinyl Flooring	NA	No	NA	3	
Interior	Sheetrock/Joint Compound	NA	No	NA	4	
Interior	Sheetrock/Joint Compound	NA	No	NA	5	
Interior	Sheetrock/Joint Compound	NA	No	NA	6	
Roof	Roofing Material/**Coating**	NA	No/**YES**	**No**	**7**	
Roof	Roofing Material/**Coating**	NA	No/**YES**	**No**	**8**	
Roof	Roofing Material/**Coating**	NA	No/**YES**	**No**	**9**	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 22, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – S-10 (V-12)

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53589
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-10 (V-12)

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 1
Layer No.:
Material: Linoleum
Analyst Description of Material: Tan flat thin pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 2
Layer No.:
Material: Linoleum
Analyst Description of Material: Tan flat thin pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 3
Layer No.:
Material: Linoleum
Analyst Description of Material: Tan flat thin pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 4
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Fibrous glass	5		

Sample No.: 5
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Fibrous glass	5		

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53589
RUSH TAT
Project Name: Treece, Kansas
Address: S-10 (V-12)

Project No.:
Analyst: Tami Van
Analysis Date: 10/20/2011

Sample No.: 6
Layer No.:
Material: Sheetrock / Joint compound
Analyst Description of Material: White chalky/brown fibrous/white shiny chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	80	Bulk/Binder	15
		Fibrous glass	5		

Sample No.: 7
Layer No.: 1
Material: Roofing
Analyst Description of Material: Black tarry fibrous / rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	55	Bulk/Binder	35
		Hair	10		

Sample No.: 7
Layer No.: 2
Material: Roofing (coating on rocks)
Analyst Description of Material: Gray fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**55**			Bulk/Binder	45

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van

Laboratory Director: Tami Van

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 25, 2011

Mr. Ken Simmons
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Asbestos-Containing Material Demolition Survey Report
Treece, Kansas - Vacant Structure – Building S-12 (V-30)

Dear Mr. Simmons,

Asbestos Consulting and Testing, Inc. (ACT) has completed the asbestos-containing material demolition survey for the vacant structure referenced above. Each area of the structure was surveyed, and there were no inaccessible spaces.

The survey was performed on October 10-18, 2011 by ACT representatives and EPA accredited asbestos inspectors.

Following the completion of the survey and sampling activities, the collected samples were submitted to the NVLAP accredited, ACT testing laboratory for analysis utilizing polarized light microscopy with dispersion staining.

The results of the material sampling laboratory analysis indicate the following sampled building materials tested positive and are considered **asbestos-containing materials (ACM)**:

- Friable **Ceiling Texture** located in the throughout the structure (excluding the Kitchen) – Approximate Quantity: 750 SF

**Please note, that friable ACM, such as the ceiling texture, needs to be abated by a State of Kansas licensed asbestos abatement contractor prior to demolition activities that may disturb the material.*

Please find the attached *Asbestos Inspection Data Table* for sample material locations.

Please feel free to contact me with any questions you may have regarding this report.

Sincerely,
ACT

George S. McDowell

George S. McDowell

Attachments: Asbestos Inspection Data Table
Bulk Sample Analysis Report

ACT
14953 W. 101st Terr.
Lenexa, KS 66215
913-492-1337

ASBESTOS INSPECTION DATA TABLE

Client: Burns & McDonnell Engineering Co., Inc.
Address: 9400 Ward Parkway
City: Kansas City, Missouri 64114

Survey Location: Treece, Kansas
Address: S-12 (V-30)
Inspector: Paul Van/George McDowell/Mark Hatler
Date: October 10-18, 2011

Location	Material Description	Quantity	Asbestos	Friable	Sample #	General Notes
Interior	**Ceiling Texture**	**750 SF**	**YES**	**Yes**	**1**	Ceiling Testure in Kitchen is Not Asbestos-Containing
Interior	**Ceiling Texture**		Not Anayzed	**Yes**	**2**	
Interior	**Ceiling Texture**		Not Anayzed	**Yes**	**3**	
Interior	Plaster	NA	No	NA	4	
Interior	Plaster	NA	No	NA	5	
Interior	Plaster	NA	No	NA	6	
Kitchen	Wall/Ceiling Texture	NA	No	NA	7	
Kitchen	Wall/Ceiling Texture	NA	No	NA	8	
Kitchen	Wall/Ceiling Texture	NA	No	NA	9	
Kitchen	Cream Sheet Vinyl Flooring	NA	No	NA	10	Beneath subfloor
Kitchen	Cream Sheet Vinyl Flooring	NA	No	NA	11	
Kitchen	Cream Sheet Vinyl Flooring	NA	No	NA	12	
Bathroom	12"x12" White Floor Tile	NA	No/No	NA	13	
Bathroom	12"x12" White Floor Tile	NA	No/No	NA	14	
Bathroom	12"x12" White Floor Tile	NA	No/No	NA	15	
Interior	1'x1' Ceiling Tile	NA	No	NA	16	
Interior	1'x1' Ceiling Tile	NA	No	NA	17	
Interior	1'x1' Ceiling Tile	NA	No	NA	18	
Roof	Roof Shingle	NA	No	NA	19	2 Layers of Roofing
Roof	Roof Shingle	NA	No	NA	20	
Roof	Roof Shingle	NA	No	NA	21	

A C T

14953 W. 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

October 22, 2011

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Project: Treece, Kansas – S-12 (V-30)

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or sub-samples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to the limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not 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 approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53593
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-12 (V-30)

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 1 Material: Texture
Layer No.: Analyst Description of Material: Off-white chalky / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	**3**			Bulk/Binder	97

Sample No.: 4 Material: Plaster
Layer No.: Analyst Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 5 Material: Plaster
Layer No.: Analyst Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 6 Material: Plaster
Layer No.: Analyst Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 7 Material: Texture
Layer No.: Analyst Description of Material: Thick white chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53593
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-12 (V-30)

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 8 | Material: Texture
Layer No.: | Analyst Description of Material: Thick white chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 9 | Material: Texture
Layer No.: | Analyst Description of Material: Thick white chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 10 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Fibrous glass	10		

Sample No.: 11 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53593
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-12 (V-30)

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 11 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Fibrous glass	10		

Sample No.: 12 | Material: Linoleum
Layer No.: 1 | Analyst Description of Material: Cream flat smooth pliable

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 12 | Material: Linoleum backing
Layer No.: 2 | Analyst Description of Material: Gray compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	75	Bulk/Binder	15
		Fibrous glass	10		

Sample No.: 13 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 13 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53593
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-12 (V-30)

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 14 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 14 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 | Material: 12x12 floor tile
Layer No.: 1 | Analyst Description of Material: Off-white flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 15 | Material: Adhesive
Layer No.: 2 | Analyst Description of Material: Clear sticky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: 16 | Material: 1x1 ceiling tile
Layer No.: | Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Analyst: T. Van

Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53593
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-12 (V-30)

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 17
Layer No.: ___
Material: 1x1 ceiling tile
Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: 18
Layer No.: ___
Material: 1x1 ceiling tile
Analyst Description of Material: Brown compact fibrous / paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	97	Bulk/Binder	3

Sample No.: 19
Layer No.: 1
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / white rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.: 19
Layer No.: 2
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / brown rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.: 20
Layer No.: 1
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / white rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Analyst: T. Van
Laboratory Director: **Tami Van**

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: Burns & McDonnell
Address: 9400 Ward Parkway
Kansas City, MO 64114

Date sample collected: 10/11-18/2011
Collected by: Paul Van
Submitted by: Paul Van
Date sample submitted: 10/19/2011

REPORT NO.: B-53593
RUSH TAT ___
Project Name: Treece, Kansas
Address: S-12 (V-30)

Project No.:
Analyst: Tami Van
Analysis Date: 10/21/2011

Sample No.: 20
Layer No.: 2
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / brown rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.: 21
Layer No.: 1
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / white rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.: 21
Layer No.: 2
Material: Roof shingle
Analyst Description of Material: Black fibrous tar / brown rocks

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	40	Bulk/Binder	60

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Sample No.:
Layer No.:
Material:
Analyst Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage
				Bulk/Binder

Analyst: T. Van

Laboratory Director: Tami Van