TETRA TECH

April 22, 2013

Matthew Naud
City of Ann Arbor
Environmental Coordinator
301 E. Huron
Ann Arbor, Michigan 48107-8647

Re: Hazardous Materials Survey
415 W. Washington Street, Ann Arbor, Michigan

Dear Mr. Naud:

Tetra Tech is pleased to present the results of the Hazardous Materials Survey of the buildings located at 415 W. Washington Street in Ann Arbor, Michigan. The building consists of a U-shaped structure divided into 4 general areas as described below and depicted in **Figures 1** and **2**:

- 12,034 square-foot North Garage, which includes a 3,920 square-foot High-Bay Garage, Boiler Room, office space, restrooms, and a stairwell to second floor offices;
- 8,060 square-foot Second Floor Offices, which includes multiple offices, storage rooms, restrooms, a former paint booth, and a sign shop;
- 4,400 square-foot West Garage, which includes a radio repair area, mower repair area, and carpentry shop; and
- 9,921 square-foot South Garage, which includes a chemical storage area, salt storage area, and open sheds.

All areas of the facility were included in the assessment with the exception of the remediation shed and the roof. The assessment included the following components:

1. A comprehensive survey of potential asbestos-containing material (ACM);
2. A limited scope lead-based paint assessment; and
3. An inventory of other hazardous materials on the property that may require special handling if relocated, recycled, donated, or disposed.

Each component is described in detail in the following sections.

SURVEY OF POTENTIAL ASBESTOS-CONTAINING MATERIAL

Tetra Tech conducted a comprehensive survey of potential ACM and collected samples of each material to identify ACM at the facility for management options and logistical considerations for potential occupation, renovation, or demolition. Tetra Tech completed the ACM assessment pursuant to the United States Environmental Protection Agency (U.S. EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) promulgated under the Clean Air Act (40 CFR Part 61). The ACBM assessment included a visual inspection, sample collection, and laboratory analysis. Information presented in this report includes sample descriptions, sample locations, and material condition.

ASBESTOS CONTAINING MATERIALS REGULATION

Asbestos is a naturally occurring silicate mineral that is readily separated into fibers that are durable, heat resistant, and chemically stable. These fibers were added to a wide variety of building materials such as glues, binders, fabric, insulation, wallboard, roofing, vinyl, linoleum, cement, and plaster to enhance strength and provide fire resistivity. More than 3,000 products have been identified as containing asbestos. The U.S. EPA

defines ACM as any material comprised of 1% or more asbestos by volume as determined by polarized light microscopy (PLM).

Typically, potential ACMs are identified as homogeneous areas (HA) if they appear to be similar in terms of material, color, texture, age, and application within a single functional space.

Three categories of ACM are identified by the U.S. EPA and are used for building inspections. Each type of ACM has specific sampling requirements based on the amount of material.

- Surfacing materials (S): ACM that is sprayed or troweled on surfaces, including plaster and fireproofing insulation.
- Thermal System Insulation (TSI): Insulation to inhibit heat transfer on pipes, boilers, tanks, and ducts. TSI includes pipe wrap, block, batt and blanket insulation, cements and muds, and a variety of other materials.
- Miscellaneous Materials (MM): All other materials such as floor tile, ceiling tile, roofing materials, siding, fabrics, etc.

The U.S. EPA classifies ACM as either friable or non-friable. Friable materials can be crumbled, pulverized, or reduced to powder by hand when dry. Subpart M of the U.S. EPA NESHAP regulations specify the following as regulated ACM (RACM):

- Friable asbestos material
- Category I non-friable ACM that has become friable (including all resilient flooring coverings and roofing materials)
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or
- Category II non-friable ACM (such as asbestos cement products) that has a high probability of becoming friable or has become friable by the forces expected to act on the material in the course of demolition or renovation operations.

In accordance with federal and state air quality statutes, all RACM must be removed from any structure prior to demolition if the combined amount of RACM is at least 260 linear feet on pipes or 160 square feet on other facility components, and disposed of at a licensed Type II landfill. Only notification requirements must be met if the RACM quantities are below these thresholds. Non-friable ACMs may remain in place and disposed of as construction waste as long as it will not become friable during demolition.

ACM SAMPLING METHODS AND RESULTS

Mr. Daniel Sopoci of Tetra Tech completed the ACM survey on January 15 and 16, 2013. Mr. Sopoci is a Certified Hazardous Materials Manager (#15065), Registered Environmental Manager (#12295), and State of Michigan Asbestos Inspector (#A40698). Bulk samples of suspected ACM were collected to determine applicable requirements and guidelines of the U.S. EPA, Occupational Safety and Health Administration (OSHA), and State of Michigan during potential occupancy, renovation, or demolition work where materials containing asbestos are to be disturbed or removed. Sample collection was biased towards areas already disturbed.

Tetra Tech identified 51 homogenous areas (HA) and collected a total of 66 samples for analysis by PLM or transmission electron microscopy (TEM) using U.S. EPA Method 600/R-93/116. The laboratories used maintain current National Institute for Standards and Technology (NIST, formerly the National Bureau of Standards) National Voluntary Laboratory Accreditation Program (NVLAP) accreditation. The laboratory analyzed a total of 81 samples because some materials were multi-layered (i.e., tile and mastic) requiring

additional analysis. **Table 1** in **Attachment A** provides a summary of sample names, the type and description of materials, and analytical results. Photographs of identified ACM are also presented in **Attachment A**, as well as the laboratory report. Eleven (11) different materials contained asbestos above 1% as presented in the table below:

Summary of Asbestos Containing Materials

HA	HA Description and Location	Material Type[1]	Condition[2]	F/NF[3]	Footage/ Area	Asbestos Result
HA-04	Pipe straight insulation consisting of corrugated paper material, observed in North Garage in the High Bay, office area, and restrooms. Also observed on the Second Floor offices near the elevator.	TSI	Good	F	800 LF	10%
HA-05	Pipe joint insulation associated with HA-04.	TSI	Good	F	50 LF	20%
HA-06	Pipe straight insulation consisting of fibrous material, observed in North Garage in the High Bay, restrooms, and overhead piping in Boiler Room (same as HA-23)	TSI	Good	F	250 LF	20%
HA-09	Mastic beneath 12" x 12" floor tile with brown streaks in northwest hallway of North Garage near offices	MM	Damaged	NF	300 ft^2	4%
HA-17	Reddish brown 9" x 9" floor tile in the Millet Office on the west side of the North Garage	MM	Damaged	NF/I	150 ft^2	3%
HA-19	White insulation material between boiler plates in Boiler Room	MM	Good	F	80 ft^2	13%
HA-21	Refractory cement observed inside boiler in Boiler Room	MM	Good	NF/II	30 ft2	2%
HA-23	Pipe straight insulation consisting of fibrous material, observed in Boiler Room (same as HA-06)	TSI	Damaged	F	60 LF	12%
HA-33	Red 9" x 9" floor tile with tan streaks in Second Floor hallway	MM	Damaged	NF/I	1,500 ft^2	3%
HA-34	Dark red 9"x 9" floor tile with tan and red streaks in Second Floor offices	MM	Damaged	NF/I	250 ft^2	4%
HA-42	Gray 9"x 9" floor tile on landing of staircase, Second Floor offices	MM	Good	NF/I	100 ft^2	3%

Notes: 1. TSI (thermal system insulation); MM (miscellaneous material)
2. Condition – Good (no or little damage); Damaged (<10% if evenly distributed or <25% if localized area)
3. F (friable); NF (non-friable); I (Category I non-friable); II (Category II non-friable)
LF = Linear Feet

Several bituminous materials such as mastics, caulk and floor tile were found to be negative for asbestos content by PLM. A higher magnification using Transmission Light Microscopy (TEM) analytical methods can be completed to detect small or thin asbestos fibers in several non-friable bituminous materials. However, this analysis is not required under NESHAP or Michigan OSHA (MIOSHA).

ACM SURVEY CONCLUSIONS AND RECOMMENDATIONS

The ACM survey identified several friable ACMs, Category I non-friable ACMs, and one Category II ACM, which are considered regulated ACM (RACM). MIOSHA requires that a certified asbestos abatement contractor remove any RACM prior to renovation or demolition if they are in poor condition or are friable. Tetra Tech recommends that all RACM identified at the facility be removed prior to renovation or demolition, due to the relatively low quantity and ease of management in conjunction with identified RACM.

Tetra Tech also recommends that the floor tile mastic (HA-09) and associated floor tile be removed by a certified asbestos abatement contractor. Although the floor tile does not contain asbestos above 1%, the mastic will adhere to the floor tile as it is removed. Therefore, a certified asbestos abatement contractor must remove the overlying floor tile. Furthermore, removing the floor tile and mastic reduces training and monitoring requirements and management considerations of the renovation or demolition contractor.

The MDEQ and MIOSHA require completion of a *NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH* form (form EQP 5661, MIOSHA-CSH 142) at least ten days in advance of any renovation or demolition activities. The notification is used to demonstrate the presence or absence of ACM. Tetra Tech recommends submitting the Notification to the NESHAP Asbestos Program and to MIOSHA.

There are no additional MDEQ or MIOSHA obligations or required analysis regarding asbestos.

Although not required under NESHAPs or MIOSHA, a higher magnification using TEM analytical methods can be used to determine a more accurate asbestos content in non-friable or bituminous materials. Detectable asbestos was not observed above 1% in several bituminous materials using PLM analytical methods. However, if analyzed using TEM, asbestos content above 1% may potentially be observed in these materials. Tetra Tech recommends that the demolition contractor is notified of the presence of these non-friable materials, and the results of PLM analysis.

LIMITED ASSESSMENT OF LEAD IN PAINT

Tetra Tech completed a limited scope lead in paint assessment to provide notification of the presence or probable absence of lead containing paint to the City, and is not intended to provide clearance or level of risk with regards to occupancy. Inspections intended to determine if housing is lead-safe for occupancy must be completed in accordance with the requirements of the U.S. Department of Housing and Urban Development (HUD, 24 CFR, Part 35) and Michigan Department of Community Health regulations (P.A. 368 of 1978, Sections 5451 to 5477, MCL 333.5451 to 333.5477), and be completed by a licensed lead-based paint inspector or risk assessor as defined by the U.S. EPA (40 CFR part 745). There is no regulatory requirement to conduct a lead based paint inspection as the building does not represent target housing or a child occupied facility.

LEAD IN PAINT REGULATION

Lead-based paint is defined by Toxic Substances Control Act (TSCA) as containing 0.5% lead by weight (The Lead Exposure Reduction Act, Section 401, Title IV, TSCA amendment, Public Law 102-550, 1992; Title X of the 1992 Housing and Community Development Act). The Consumer Product Safety Commission (CPSC) defines lead-containing paint as containing 0.06% lead by weight (Consumer Product Safety Act, CPSA 15 USC 2057-8, 1978t). However, any detectable quantity of lead in paint is considered lead-containing paint according to the OSHA Lead in Construction Standard 29 CFR 1926.62.

LEAD IN PAINT SAMPLING METHODS AND RESULTS

Field personnel collected nineteen (19) bulk paint chip samples in general accordance with TSCA Section 403 guidance document, published by the Office of Pollution Prevention and Toxics, U.S. EPA, June 3, 1998. **Table 2** in **Attachment B** summarizes samples collected, colors, locations, condition, and results. Samples were submitted for lead analysis by U.S. EPA methods 0200.2-M and 6020A. Detection limits varied between 0.00010% and 0.011% dry weight. The laboratory report is included in **Attachment B**.

All paint chip samples contained some amount of lead, ranging from 0.0005% to 26%. Seven (7) paint chip samples exceed 0.5% and meet the definition of lead-based paint as defined by TSCA, which are presented below:

Summary of Lead-Based Paint

Sample	Paint Description and Location	Color	Condition[1]	Lead Result
P-05	Second Floor Offices, on concrete floor in Room 17	Dark gray over light gray and brick red	Damaged	2.7%
P-10	Second Floor Offices, on walls in Room 26	Green	Damaged	3.1%
P-13	Second Floor Offices, on railing in front of elevator	Yellow	Damaged	7.0%
P-14	Second Floor Offices, Room 25	Gray over yellow	Damaged	3.8%
P-17	West Garage Bay Doors, on framing	Orange over yellow over gray	Severely Damaged	13%
P-18	West Garage Bay Doors, on concrete	Gray/Silver	Severely Damaged	26%
P-19	South Garage Bay Doors, on framing	Yellow/orange	Damaged	3.2%

Notes: 1. Condition – Good (no or little damage); Damaged (<10% if evenly distributed or <25% if localized area); Severely Damaged (>10%)

In several areas, layers of paint were observed during sampling. Due to the condition of each layer and the difficulty of collecting distinct samples of individual layers, paint chip samples were not exclusive to the outermost paint layer. Therefore, it cannot be determined if the lead detected is representative of a single layer or multiple layers. However, any paint disturbance is likely to impact all paint layers.

LEAD IN PAINT CONCLUSIONS AND RECOMMENDATIONS

The limited scope lead in paint assessment indicates that some paint in the building is above 0.5%, exceeding the applicable standard for occupancy or disclosure. However, as stated above, inspections intended to determine if housing is lead-safe for occupancy must be completed in accordance with the requirements of the U.S. Department of Housing and Urban Development (HUD, 24 CFR, Part 35) and Michigan Department of Community Health regulations (P.A. 368 of 1978, Sections 5451 to 5477, MCL 333.5451 to 333.5477), and be completed by a licensed lead-based paint inspector or risk assessor as defined by the U.S. EPA (40 CFR part 745).

All painted surfaces containing lead could result in elevated airborne lead levels when disturbed in the event of renovation or demolition. Therefore, the contractor should be notified of the lead content in paints so that all necessary precautions can be taken to comply with the provisions of the OSHA standard 29 CFR 1926.62 and

Michigan Lead Exposure Construction Standard, Part 603 during all paint disturbing activities. Specifically, contractors are required to make a determination if worker exposure to airborne lead during demolition practices exceeds the action level of 30 ug/m^3 as a time weighted average. Until such a determination is conducted, the contractor must implement employee protective measures by providing respirators, personal protective clothing, change areas, hand washing facilities, biological monitoring, and training.

OTHER HAZARDOUS BUILDING MATERIALS

Tetra Tech completed an inventory of other hazardous materials on the property that may require special handling if relocated, recycled, donated, or disposed. The tables in **Attachment C** provide information regarding the following:

- Equipment containing chlorofluorocarbons (CFC) (**Table 3**);
- Devices containing radioactive materials (**Table 4**);
- Universal waste (**Table 5**); and
- Lab-pack materials such as cleaners, solvents, paints, and electronic wastes (**Table 6**).

There are regulatory requirements regarding the management of these materials if they are disturbed, relocated, or disposed during renovation or demolition of the buildings. Tetra Tech is pleased to provide further guidance for each material by request.

We appreciate the opportunity to continue to provide our services. Please call Daniel Sopoci at 734.213.4073 or e-mail at daniel.sopoci@tetratech.com if you have any questions or comments regarding this report.

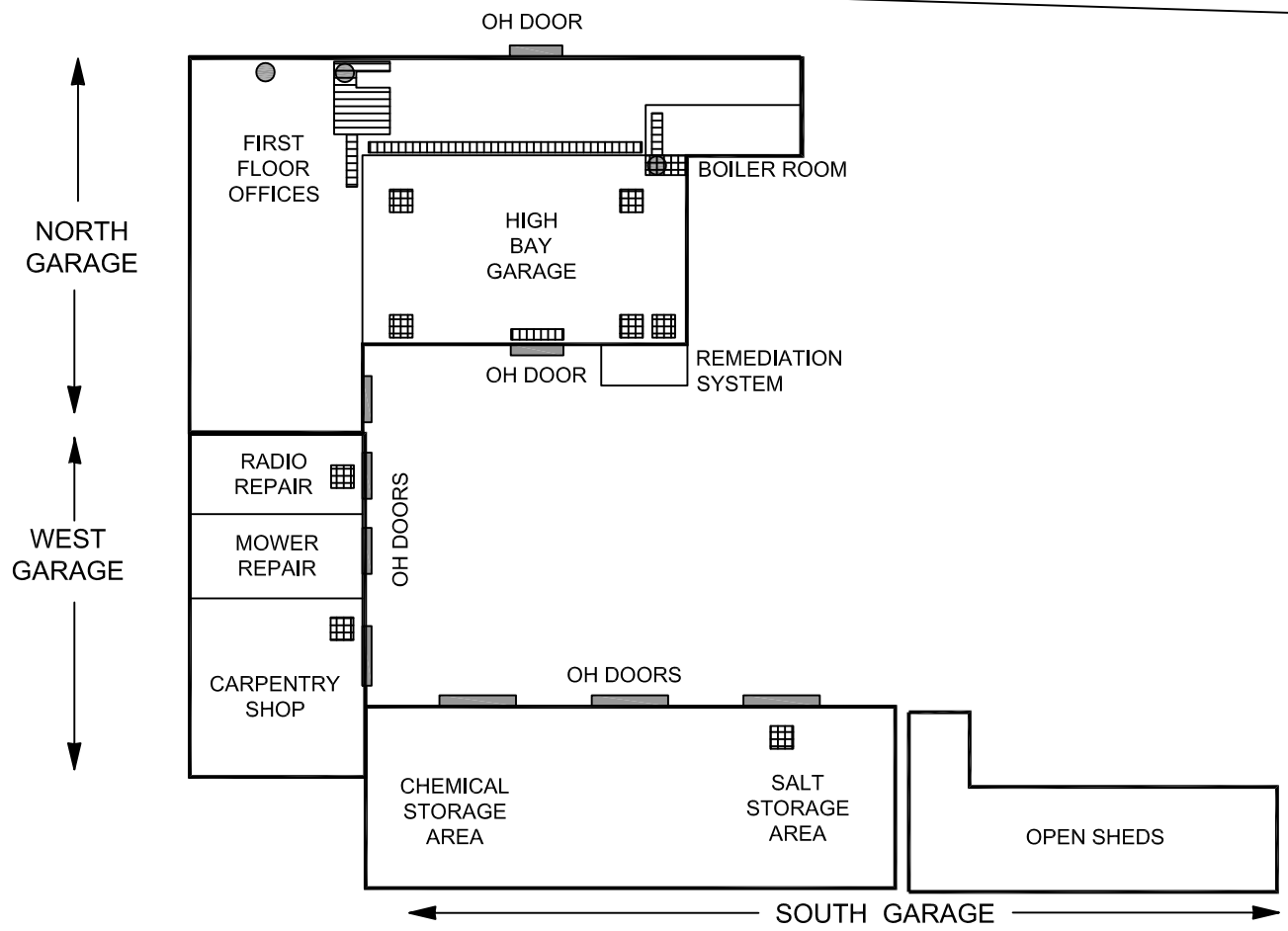
Sincerely,

Daniel Sopoci, CHMM
Senior Scientist

Patti McCall
Senior Geologist

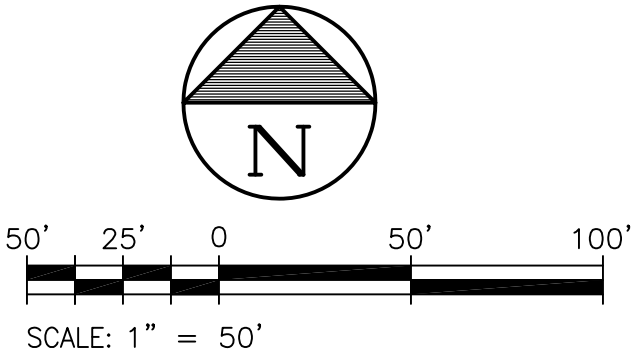
Attachments: Figures
Attachment A: Asbestos Information
Attachment B: Lead Information
Attachment C: Hazardous Building Materials Information

FIGURES



LEGEND

- OVERHEAD DOOR
- FLOOR DRAIN
- TRENCH
- SUMP



SCALE: 1" = 50'

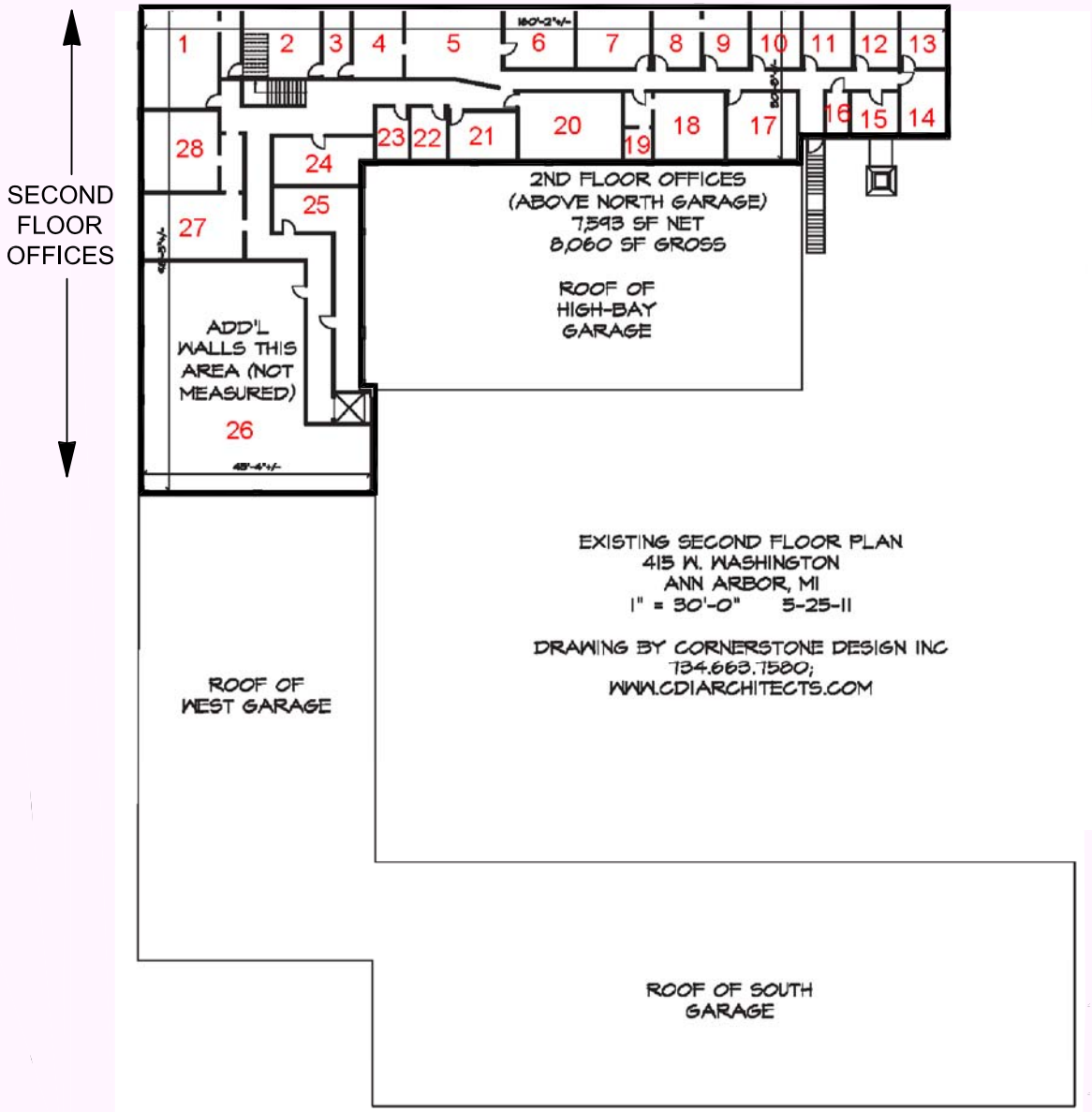
TETRA TECH

DESIGNED: AGO | DATE: 4/18/13

HAZARDOUS MATERIALS SURVEY
415 W. WASHINGTON STREET
ANN ARBOR, MICHIGAN 48103

GROUND FLOOR BUILDING LAYOUT

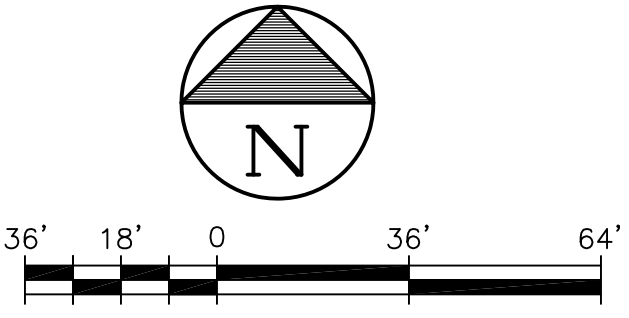
FIGURE 1



LEGEND

ROOM NUMBER

NOTE: ROOM 14 IS ALSO REFERRED TO AS MILLETT'S OFFICE.



SCALE: 1" = 36'

TETRA TECH

DESIGNED: AGO DATE: 4/18/13

HAZARDOUS MATERIALS SURVEY
415 W. WASHINGTON STREET
ANN ARBOR, MICHIGAN 48103

SECOND FLOOR BUILDING LAYOUT

FIGURE 2

ATTACHMENT A

ASBESTOS INFORMATION

Table 1
Suspect Asbestos-Containing Material Sample Summary
415 W. Washington Street
Ann Arbor, Michigan 48103

HA	HA Description:	HA Location	Material Type[1]	Condition[2]	F/NF	Accessability	Sample #	Sample Location	Layers?	Asbestos Result[4,5]	Footage/Area
HA-01	Window caulk	Exterior walls of North and West Garage	MM	S. Damaged	F	Moderate	**HA-01-01**	South wall of North Garage	N	NAD	--
							HA-01-02	North wall of North Garage	N	NAD	--
							HA-01-03	East wall of North Garage	N	NAD	--
HA-02	Cementous seal of door	South pedestrian door of North Garage	MM	Good	F	High	**HA-02-01**	South pedestrian door of North Garage	N	NAD	--
HA-03	Sheet rock	Window covering on east wall of North Garage	MM	Good	F	High	**HA-03-01**	East wall of North Garage	N	NAD	--
HA-04	**Pipe straight insulation**	**Southernmost EW overhead pipe in North Garage, secondmost southern overhead EW pipe in North Garage; two NS pipe from North Garage to West Garage; also observed in first floor restrooms and second floor near elevator**	**TSI**	**Good**	**F**	**Moderate**	**HA-04-01A**	East side of North Garage	White canvass wrap	NAD	--
							HA-04-01B		**Corr. paper insulation**	**10%**	**800 LF**
							HA-04-02A	East of North Garage	White canvass wrap	--	--
							HA-04-02B		Corr. paper insulation	--	--
							HA-04-03A	West side of North Garage	White canvass wrap	--	--
							HA-04-03B		Corr. paper insulation	--	--
HA-05	**Pipe joint insulation**	**Joint fittings of HA-04**	**TSI**	**Good**	**F**	**Moderate**	**HA-05-01A**	East side of North Garage	**20%**	**50 LF**	
							HA-05-01B		Gray insulation	NAD	--
							HA-05-02A	Center of North Garage	White fibrous mat'l	--	--
							HA-05-02B		Gray insulation	--	--
							HA-05-03A	West side of North Garage	White fibrous mat'l	--	--
							HA-05-03B		Gray insulation	--	--
HA-06	**Pipe straight insulation**	**Third most southern overhead EW pipe in North Garage; also observed in restrooms and overhead piping in boiler room (same as HA-23)**	**TSI**	**Good**	**F**	**Moderate**	**HA-06-01A**	East side of North Garage	Canvas	NAD	--
							HA-06-01B		**Insulation**	**20%**	**250 LF**
							HA-06-02A	Center of North Garage	Canvas	--	--
							HA-06-02B		Insulation	--	--
							HA-06-03A	West side of North Garage	Canvas	--	--
							HA-06-03B		Insulation	--	--
HA-07	Drywall	NW enclosure in North Garage	MM	Damaged	F	High	**HA-07-01**	South wall of drywall in North Garage	N	NAD	--
HA-08	Drywall joint compound	NW enclosure in North Garage	MM	Good	F	High	**HA-08-01**	SE corner inside enclosure	N	NAD	--
HA-09	**Floor tile - 12"x12", Tan with brown streaks**	**NW hallway tiles near offices**	**MM**	**Damaged**	**NF**	**High**	**HA-09-01A**	NW corner hallway of north garage	Tile	NAD	--
							HA-09-01B		**Mastic**	**4%**	**300 ft²**
HA-10	Ceiling tile - pinholes and fissures	NW corner office	MM	Damaged	F	Moderate	**HA-10-01**	NW corner office	N	NAD	--
HA-11	Cove moulding	NW corner office	MM	Good	NF	High	**HA-11-01A**	NW corner office - NE corner	Vinyl	NAD	--
							HA-11-01B		Mastic	NAD	--

Notes:
1. TSI (thermal system insulation); S (surfacing material); MM (miscellaneous material)
2. Condition – Good (no or little damage); Damaged (<10% if evenly distributed or <25% if a localized area); S.(significantly) damaged; potential to become damaged
3. NA = Not analyzed or not available
4. NAD = No Asbestos Detected
5. All detected asbestos was Chrysotile
6. N = No
7. Corr = Corrigated
8. F = Friable
9. NF = Non Friable
10. HA = Homogenous
11. LF = Linear Fee
12. ft² = square feet

Table 1
Suspect Asbestos-Containing Material Sample Summary
415 W. Washington Street
Ann Arbor, Michigan 48103

HA	HA Description:	HA Location	Material Type[1]	Condition[2]	F/NF	Accessability	Sample #	Sample Location	Layers?	Asbestos Result[4,5]	Footage/Area
HA-12	Carpet	NW corner office	MM	Damaged	NF	High	**HA-12-01A**	East side of room	Carpet	NAD	--
							HA-12-01B		Backing	NAD	--
HA-13	Cove moulding	Office south of NW corner office	MM	Good	NF	High	**HA-13-01A**	NW corner of room	Vinyl	NAD	--
							HA-13-01B		Mastic	NAD	--
HA-14	Carpet - green	Office south of NW corner office	MM	Damaged	NF	High	**HA-14-01**	East side of room	N	NAD	--
HA-15	Fiberboard - black	West of north garage - small room	MM	Good	F	High	**HA-15-01**	Board in small room	N	NAD	--
HA-16	Ceiling tile - 2'x4', large and small pinholes	Office on west wall, west of bay area	MM	Good	F	Moderate	**HA-16-01**	North side of room	N	NAD	--
HA-17	**Floor tile - 9"x9", reddish brown**	**Millett office**	**MM**	**Damaged**	**NF**	**High**	**HA-17-01A**	East side of room	Tile	**3%**	**150 ft^2**
							HA-17-01B		Mastic	NAD	--
HA-18	Fibrous insulation, yellow and black	Chemical storage room west of high bay area	MM	Good	F	Moderate	**HA-18-01A**	East wall of room	Yellow-black fibers	NAD	--
							HA-18-01B		Brown mastic	NAD	--
HA-19	**Boiler insulation - white, fibrous**	**Boiler room**	**MM**	**Good**	**F**	**Low**	**HA-19-01**	Between plates in boiler	N	**13%**	**80 ft^2**
HA-20	Fireproofing mortar	Boiler room	S	Good	F	Moderate	**HA-20-01**	5th easternmost beam	N	NAD	--
							HA-20-02	4th easternmost beam	N	NAD	--
							HA-20-03	5th easternmost beam	N	NAD	--
HA-21	**Refractory cement**	**Boiler room**	**MM**	**Damaged**	**NF**	**Low**	**HA-21-01**	Inside boiler	N	**2%**	**30 ft^2**
HA-22	Insulation - yellow	Boiler room	MM	Damaged	F	High	**HA-22-01**	Inside boiler	N	NAD	**--**
HA-23	**Pipe straight insulation**	**Boiler room**	**TSI**	**Damaged**	**F**	**Moderate**	**HA-23-01**	Eastern side of pipe	N	**12%**	**60 LF**
							HA-23-02	Center of pipe	N	--	--
							HA-23-03	Western side of pipe	N	--	--
HA-24	Vinyl - gray	Staircase	MM	Damaged	NF	High	**HA-24-01A**	Staircase cover	Vinyl	NAD	--
							HA-24-01B		Mastic	NAD	--
HA-25	Ceiling tile - 2'x4'	Second floor, Room 14	MM	Damaged	F	High	**HA-25-01**	Room 14	N	NAD	--
HA-26	Carpet - brown	Second floor, Room 14 and hallway	MM	Damaged	NF	High	**HA-26-01**	Room 14	N	NAD	--
HA-27	Window caulk - elastic	Second floor, Room 13	MM	Damaged	NF	High	**HA-27-01**	Room 13	N	NAD	--
HA-28	Window caulk - crumbly	Second floor windows	MM	Damaged	F	High	**HA-28-01**	Room 13	N	NAD	--
							HA-28-02	Window caulk, 2nd floor permit office	N	NAD	--
HA-29	Ceiling tiles - smooth	Second floor ceiling	MM	Damaged	F	High	**HA-29-01**	Room 13	N	NAD	--
HA-30	Pinboard	Second floor, Room 14 and hallway	MM	Damaged	F	High	**HA-30-01**	Room 14	N	NAD	--

Notes:
1. TSI (thermal system insulation); S (surfacing material); MM (miscellaneous material)
2. Condition – Good (no or little damage); Damaged (<10% if evenly distributed or <25% if a localized area); S.(significantly) damaged; potential to become damaged
3. NA = Not analyzed or not available
4. NAD = No Asbestos Detected
5. All detected asbestos was Chrysotile
6. N = No
7. Corr = Corrigated
8. F = Friable
9. NF = Non Friable
10. HA = Homogenous
11. LF = Linear Fee
12. ft² = square feet

Table 1
Suspect Asbestos-Containing Material Sample Summary
415 W. Washington Street
Ann Arbor, Michigan 48103

HA	HA Description:	HA Location	Material Type[1]	Condition[2]	F/NF	Accessability	Sample #	Sample Location	Layers?	Asbestos Result[4,5]	Footage/Area
HA-31	Carpet - Lt. brown/gray	Second floor	MM	Damaged	NF	High	**HA-31-01**	Room 9	N	NAD	--
HA-32	Floor tile - 12"x12", taupe	Second floor, east wing	MM	Damaged	NF	High	**HA-32-01A**	Room 16	Tile	NAD	--
							HA-32-01B		Mastic	NAD	--
HA-33	**Floor tile - 9"x9", red with tan streaks**	**Second floor hallway**	**MM**	**Damaged**	**NF**	**High**	**HA-33-01A**	Second floor hallway	Tile	**3%**	**1,500 ft^2**
							HA-33-01B		Mastic	NAD	--
HA-34	**Tile - 9"x9", dark red w/ tan and red streaks**	**Second floor offices**	**MM**	**Damaged**	**NF**	**High**	**HA-34-01A**	Room 19	Tile	**4%**	**250 ft^2**
							HA-34-01B		Mastic	NAD	--
HA-35	Ceiling tile - 1'x1', large/med holes	Second floor	MM	Damaged	F	Moderate	**HA-35-01**	Room 7	N	NAD	--
HA-36	Window caulk - white, brittle	Second floor	MM	Damaged	F	High	**HA-36-01**	Room 6	N	NAD	--
HA-37	Window caulk - elastic, replacement windows	Second floor, Room 5	MM	Good	NF	High	**HA-37-01**	Room 5 - north side	N	NAD	--
HA-38	Panel flooring - 2'x2', vinyl surface	Second floor, Room 20	MM	Good	NF	High	**HA-38-01**	Floor tiles in CTCS	N	NAD	--
HA-39	Drywall	Second floor	MM	Damaged	F	High	**HA-39-01**	Room 3	N	NAD	--
							HA-39-02	Room 26	N	NAD	--
HA-40	Drywall joint compound	Second floor	MM	Good	F	High	**HA-40-01**	Room 5	N	NAD	--
							HA-40-02	Room 26	N	NAD	--
HA-41	Laminate surface	Second floor unisex restroom sink	MM	Good	NF	High	**HA-41-01**	Room 23	N	NAD	--
HA-42	**Floor tile - 9"x9", gray**	**Second floor staircase landing**	**MM**	**Good**	**NF**	**High**	**HA-42-01A**	Doorway east of stairs	Tile	**3%**	**100 ft^2**
							HA-42-01B		Mastic	NAD	--
HA-43	Ceiling tile - 2'x4', craters	Second floor, Room 28	MM	Damaged	F	High	**HA-43-01**	Room 28 - near doorway	N	NAD	--
HA-44	Ceiling tile - 4'x8', smooth	Second floor meeting room	MM	Damaged	F	Moderate	**HA-44-01**	Room 25 - corner near windows	N	NAD	--
HA-45	Ceiling tile - 4'x4'	Room off sign shop	MM	Good	F	Moderate	**HA-45-01**	Room 26 - corner near light	N	NAD	--
HA-46	Floor tile - 12"x12", square pattern	West offices of West Garage	MM	Damaged	NF	High	**HA-46-01**	West office floor	N	NAD	--
HA-47	Floor tile - 12"x12", tan with brown speckles	West offices of West Garage	MM	Damaged	NF	High	**HA-47-01**	West office floor	N	NAD	--
HA-48	Floor tile - 12"x12", tan with divots	West offices of West Garage	MM	Damaged	NF	High	**HA-48-01A**	West office floor	Tile	NAD	--
							HA-48-01B		Backing	NAD	--
HA-49	Floor tile - 12"x12", "sandstone"	West offices of West Garage	MM	Damaged	NF	High	**HA-49-01**	West office floor	N	NAD	--
HA-50	Cove moulding - black	West offices of West Garage	MM	Good	NF	High	**HA-50-01**	West office floor	N	NAD	--
HA-51	Ceiling tile - 2'x4', "popcorn" surface	Small office in West Garage	MM	Damaged	F	High	**HA-51-01**	Small office in west garage	N	NAD	--

Notes:
1. TSI (thermal system insulation); S (surfacing material); MM (miscellaneous material)
2. Condition – Good (no or little damage); Damaged (<10% if evenly distributed or <25% if a localized area); S.(significantly) damaged; potential to become damaged
3. NA = Not analyzed or not available
4. NAD = No Asbestos Detected
5. All detected asbestos was Chrysotile
6. N = No
7. Corr = Corrigated
8. F = Friable
9. NF = Non Friable
10. HA = Homogenous
11. LF = Linear Fee
12. ft² = square feet

Attachment A
Select Photographs of ACM
415 W. Washington Street
Ann Arbor, Michigan 48103

Photo #: 1	
Direction: Looking North	
Description: **HA-04:** Pipe straight insulation in North Garage area, observed in the High Bay, restrooms, and second floor near the elevator (outer wrap did not contain asbestos) 10% Asbestos Sample HA-04-01	
Date: 1/15/2013	

Photo #: 2	
Direction: Looking North	
Description: **HA-05:** Pipe joint insulation (associated with HA-04) in North Garage area, observed in the High Bay, restrooms, and second floor near the elevator (outer wrap did not contain asbestos). 20% Asbestos Sample HA-05-01	
Date: 1/15/2013	

Attachment A
Select Photographs of ACM
415 W. Washington Street
Ann Arbor, Michigan 48103

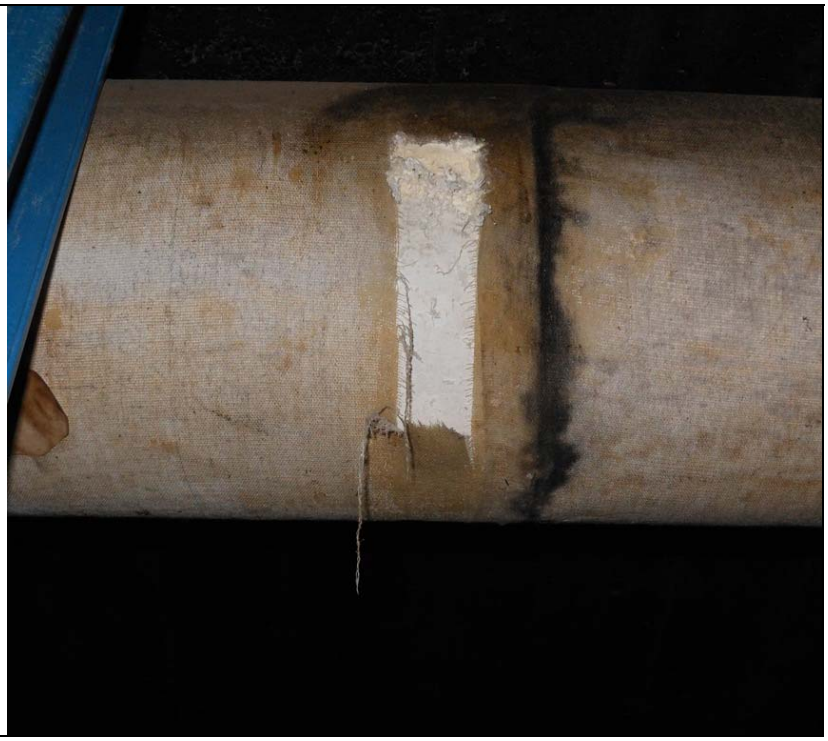
Photo#: 3	
Direction: Looking North	
Description: **HA-06:** Pipe straight insulation in North Garage area, observed in the High Bay, restrooms, and overhead piping boiler room (same as HA-23) (outer wrap did not contain asbestos). 20% Asbestos Sample HA-06-01	
Date: 1/15/2013	

Photo #: 4	
Direction: NA	
Description: HA-09: Mastic beneath 12” x 12” tan floor tile with brown streaks in northwest hallway of North Garage near offices (floor tile did not contain asbestos). 4% Asbestos (mastic layer only) Sample HA-09-01	
Date: 1/15/2013	

Attachment A
Select Photographs of ACM
415 W. Washington Street
Ann Arbor, Michigan 48103

Photo #: 5	
Direction: NA	
Description: **HA-17:** Reddish brown 9" x 9" floor tile in the Millet Office on the west side of the North Garage (mastic layer did not contain asbestos) 3% Asbestos Sample HA-17-01	
Date: 1/15/2013	

Photo #: 6	
Direction: Looking West	
Description: **HA-19:** White insulation material between boiler plates, Boiler Room. 13% Asbestos Sample HA-19-01	
Date: 1/15/2013	

Attachment A
Select Photographs of ACM
415 W. Washington Street
Ann Arbor, Michigan 48103

Photo #: 7	
Direction: Looking West	
Description: **HA-21:** Refractory cement inside boiler, Boiler Room, observed on upper and lower perimeter of boiler plates. 2% Asbestos Sample HA-21-01	
Date: 1/15/2013	

Photo #: 8	
Direction: Looking South	
Description: **HA-23:** Pipe straight insulation in Boiler Room of North Garage area (same as HA-06)(outer wrap did not contain asbestos). 12% Asbestos Sample HA-06-01	
Date: 1/15/2013	

Attachment A
Select Photographs of ACM
415 W. Washington Street
Ann Arbor, Michigan 48103

Photo #: 9	
Direction: NA	
Description: **HA-33:** Red 9” x 9” floor tile with tan streaks in Second Floor hallway (mastic layer did not contain asbestos) 3% Asbestos Sample HA-33-01	
Date: 1/15/2013	

Photo #: 10	
Direction: NA	
Description: **HA-34:** Dark red 9” x 9” floor tile with tan and red streaks in Second Floor offices (mastic layer did not contain asbestos) 4% Asbestos Sample HA-34-01	
Date: 1/15/2013	

Attachment A
Select Photographs of ACM
415 W. Washington Street
Ann Arbor, Michigan 48103

Photo #: 11	
Direction: NA	
Description: **HA-42:** Gray 9” x 9” floor tile on landing of staircase, Second Floor Offices (mastic layer did not contain asbestos) 3% Asbestos Sample HA-42-01	
Date: 1/16/2013	

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos Containing Portion	Analyst
HA-01-01	HA-01-01	Gray tabular material, caulk.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
HA-01-02	HA-01-02	Gray tabular material, caulk.	NAD	Non-fibrous material 95% Cellulose fibers 5%	JAW
HA-01-03	HA-01-03	Gray tabular material, caulk.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
HA-02-01	HA-02-01	Gray cementitious material, cementitious seal of door.	NAD	Non-fibrous material >99% Cellulose fibers <1%	JAW
HA-03-01	HA-03-01	White tabular material, sheet rock.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
HA-04-01	HA-04-01	White fibrous material, pipe straight insulation. Layer 1 of 2.	Chrysotile 10%	Non-fibrous material 80% Cellulose fibers 10%	JAW
HA-04-02	HA-04-02	Brown fibrous material, pipe straight insulation. Layer 2 of 2.	NAD	Non-fibrous material 65% Cellulose fibers 35%	JAW

1914 Holloway Drive, Holt, Michigan 48842 Telephone: (517) 699-0345 Facsimile: (517) 699-0382

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1
NVLAP Accreditation #101510-0

Client Name: Tetra Tech
Project Name: 415 W. Washington, 117-1054011.03
Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013
Date Submitted: 1/21/2013
Date Analyzed: 1/23-25/2013

Client P.O. #: N/A
C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-05-01	HA-05-01	White fibrous material, pipe joint insulation. Layer 1 of 2.	Chrysotile 20%	Non-fibrous material 70% Cellulose fibers 10%	JAW
HA-05-01	HA-05-01	White tabular material, pipe joint insulation. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
HA-06-01	HA-06-01	White fibrous material, pipe straight insulation. Layer 1 of 2.	Chrysotile 20%	Non-fibrous material 80%	JAW
HA-06-01	HA-06-01	Brown fibrous material, pipe straight insulation. Layer 2 of 2.	NAD	Cellulose fibers 75% Non-fibrous material 25%	JAW
HA-07-01	HA-07-01	White tabular material, drywall. Layer 1 of 3.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
HA-07-01	HA-07-01	Brown fibrous material, drywall. Layer 2 of 3.	NAD	Cellulose fibers 86% Non-fibrous material 14%	JAW
HA-07-01	HA-07-01	Gray tabular material, drywall. Layer 3 of 3.	NAD	Non-fibrous material 95% Cellulose fibers 5%	JAW

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-08-01	HA-08-01	White rubbery material, drywall joint compound.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
HA-09-01	HA-09-01	Gray tabular material, floor tiles. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-09-01	HA-09-01	Gray rubbery material, floor tiles mastic. Layer 2 of 2.	Chrysotile 4%	Non-fibrous material 96%	CBD
HA-10-01	HA-10-01	Gray fibrous material, 2' x 4' ceiling tile.	NAD	Cellulose fibers 70% Fibrous glass 20% Non-fibrous material 10%	CBD
HA-11-01	HA-11-01	Gray tabular material, cove molding. Layer 1 of 2.	NAD	Non-fibrous material 100%	CBD
HA-11-01	HA-11-01	Gray rubbery material, cove molding mastic. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-12-01	HA-12-01	Blue fibrous material, carpet. Layer 1 of 2.	NAD	Synthetic fibers 97% Non-fibrous material 3%	CBD

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-12-01	HA-12-01	Gray rubbery material, carpet backing. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-13-01	HA-13-01	Black tabular material, cove molding. Layer 1 of 2.	NAD	Non-fibrous material 100%	CBD
HA-13-01	HA-13-01	Gray rubbery material, cove molding mastic. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-14-01	HA-14-01	Brown fibrous material, green carpet. Layer 1 of 2.	NAD	Synthetic fibers 97% Non-fibrous material 3%	CBD
HA-14-01	HA-14-01	Tan rubbery material, green carpet backing. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-15-01	HA-15-01	Black fibrous material, black fiber board.	NAD	Non-fibrous material 60% Cellulose fibers 40%	JAW
HA-16-01	HA-16-01	White fibrous material, 2' x 4' ceiling tile.	NAD	Non-fibrous material 60% Cellulose fibers 30% Fibrous glass 10%	JAW

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-17-01	HA-17-01	Brown tabular material, 9" x 9" floor tile.	Chrysotile 3%	Non-fibrous material 97%	JAW
HA-17-01	HA-17-01	Black asphaltic material, 9" x 9" floor tile.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
HA-18-01	HA-18-01	Yellow and black fibrous material, fibrous insulation. Layer 1 of 2.	NAD	Cellulose fibers 75% Non-fibrous material 25%	JAW
HA-18-01	HA-18-01	Brown brittle material, fibrous insulation. Layer 2 of 2.	NAD	Non-fibrous material 85% Cellulose fibers 15%	JAW
HA-19-01	HA-19-01	Brown fibrous material, boiler insulation.	Chrysotile 13%	Non-fibrous material 87%	JAW
HA-20-01	HA-20-01	Gray granular material, fireproofing mortar.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-20-02	HA-20-02	Gray granular material, fireproofing mortar.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-20-03	HA-20-03	Gray granular material, fireproofing mortar.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-21-01	HA-21-01	Gray cementitious material, refractory cement.	Chrysotile 2%	Non-fibrous material 98%	JAW
HA-22-01	HA-22-01	Yellow fibrous material, yellow insulation.	NAD	Fibrous glass 92% Non-fibrous material 8%	JAW
HA-23-01	HA-23-01	White fibrous material, pipe straight insulation.	Chrysotile 12%	Non-fibrous material 88%	JAW
HA-24-01	HA-24-01	Gray tabular material, gray vinyl. Layer 1 of 2.	NAD	Non-fibrous material 100%	CBD
HA-24-01	HA-24-01	Tan rubbery material, gray vinyl mastic. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-25-01	HA-25-01	Gray fibrous material, 2' x 4' ceiling tile.	NAD	Cellulose fibers 70% Fibrous glass 20% Non-fibrous material 10%	CBD

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-26-01	HA-26-01	Brown fibrous material, brown carpet. Layer 1 of 2.	NAD	Synthetic fibers 97% Non-fibrous material 3%	CBD
HA-26-01	HA-26-01	Tan rubbery material, brown carpet backing. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-27-01	HA-27-01	Gray rubbery material, white caulk (elastic).	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-28-01	HA-28-01	Tan granular material, white caulk (crumbly). Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-28-02	HA-28-02	Tan granular material, white caulk (crumbly). Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-29-01	HA-29-01	Gray fibrous material, 2' x 4' ceiling tile.	NAD	Cellulose fibers 97% Non-fibrous material 3%	CBD
HA-30-01	HA-30-01	Gray fibrous material, pinboard.	NAD	Cellulose fibers 70% Fibrous glass 20% Non-fibrous material 10%	CBD

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-31-01	HA-31-01	Brown fibrous material, light brown/gray carpet. Layer 1 of 2.	NAD	Synthetic fibers 97% Non-fibrous material 3%	CBD
HA-31-01	HA-31-01	Tan rubbery material, light brown/gray carpet backing. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	CBD
HA-32-01	HA-32-01	Beige tabular material, 12" x 12" floor tile (taupe). Layer 1 of 2.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
HA-32-01	HA-32-01	Brown rubbery material, 12" x 12" floor tile (taupe) mastic. Layer 2 of 2.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
HA-33-01	HA-33-01	Red tabular material, 9" x 9" floor tile (red). Layer 1 of 2.	Chrysotile 3%	Non-fibrous material 97%	JAW
HA-33-01	HA-33-01	Black asphaltic material, 9" x 9" floor tile (red) mastic. Layer 2 of 2.	NAD	Non-fibrous material 92% Cellulose fibers 8%	JAW
HA-34-01	HA-34-01	Red tabular material, 9" x 9" floor tile (dark red). Layer 1 of 2.	Chrysotile 4%	Non-fibrous material 96%	JAW

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1
NVLAP Accreditation #101510-0

Client Name: Tetra Tech
Project Name: 415 W. Washington, 117-1054011.03
Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013
Date Submitted: 1/21/2013
Date Analyzed: 1/23-25/2013

Client P.O. #: N/A
C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-34-01	HA-34-01	Black asphaltic material, 9" x 9" floor tile (dark red) mastic. Layer 2 of 2.	NAD	Non-fibrous material 95% Cellulose fibers 5%	JAW
HA-35-01	HA-35-01	Brown fibrous material, 1' x 1' ceiling tile.	NAD	Cellulose fibers 93% Non-fibrous material 7%	JAW
HA-36-01	HA-36-01	White tabular material, white caulk (brittle).	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
HA-37-01	HA-37-01	White rubbery material, white caulk (elastic).	NAD	Non-fibrous material >99% Cellulose fibers <1%	JAW
HA-38-01	HA-38-01	Brown fibrous material, 2' x 2' panel flooring. Layer 1 of 2.	NAD	Cellulose fibers 70% Non-fibrous material 30%	JAW
HA-38-01	HA-38-01	Brown brittle material, 2' x 2' panel flooring. Layer 2 of 2.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
HA-39-01	HA-39-01	White tabular material, drywall. Layer 1 of 2.	NAD	Non-fibrous material 93% Cellulose fibers 7%	JAW

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-39-01	HA-39-01	Brown fibrous material, drywall. Layer 2 of 2.	NAD	Cellulose fibers 90% Non-fibrous material 10%	JAW
HA-39-02	HA-39-02	White tabular material, drywall. Layer 1 of 2.	NAD	Non-fibrous material 95% Cellulose fibers 5%	JAW
HA-39-02	HA-39-02	Brown fibrous material, drywall. Layer 2 of 2.	NAD	Cellulose fibers 86% Non-fibrous material 14%	JAW
HA-40-01	HA-40-01	White brittle material, drywall joint compound. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-40-02	HA-40-02	White brittle material, drywall joint compound. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-41-01	HA-41-01	Black fibrous material, laminate surface.	NAD	Cellulose fibers 100%	JH
HA-42-01	HA-42-01	Tan tabular material, 9" x 9" gray floor tile. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1
NVLAP Accreditation #101510-0

Client Name: Tetra Tech
Project Name: 415 W. Washington, 117-1054011.03
Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013
Date Submitted: 1/21/2013
Date Analyzed: 1/23-25/2013

Client P.O. #: N/A
C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-42-01	HA-42-01	Black fibrous material, 9" x 9" gray floor tile mastic. Layer 2 of 2.	Chrysotile 3%	Cellulose fibers 95% Non-fibrous material 2%	JH
HA-43-01	HA-43-01	Tan fibrous material, 2' x 4' ceiling tile.	NAD	Cellulose fibers 80% Fibrous glass 10% Non-fibrous material 10%	JH
HA-44-01	HA-44-01	Tan fibrous material, 4' x 8' ceiling tile.	NAD	Cellulose fibers 100%	JH
HA-45-01	HA-45-01	Tan fibrous material, 4' x 4' ceiling tile.	NAD	Cellulose fibers 100%	JH
HA-46-01	HA-46-01	Tan tabular material, 12" x 12" floor tile.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-47-01	HA-47-01	Tan tabular material, 12" x 12" floor tile (tan).	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-48-01	HA-48-01	Tan tabular material, 12" x 12" floor tile (tan-divets). Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #32713-1

NVLAP Accreditation #101510-0

Client Name: Tetra Tech

Project Name: 415 W. Washington, 117-1054011.03

Summary: 59 Submitted Bulk Samples, 81 Sample Layers Analyzed.

Date Sampled: 1/15-16/2013

Date Submitted: 1/21/2013

Date Analyzed: 1/23-25/2013

Client P.O. #: N/A

C.O.C. #: ACM01 - ACM07

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
HA-48-01	HA-48-01	Black rubbery material, 12" x 12" floor tile (tan-divets) mastic. Layer 2 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-49-01	HA-49-01	White granular material, 12" x 12" floor tiel (sandstone).	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-50-01	HA-50-01	Black rubbery material, cove molding.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JH
HA-51-01	HA-51-01	Yellow fibrous material, 2' x 4' ceiling tile (popcorn).	NAD	Fibrous glass 100%	JH

1914 Holloway Drive, Holt, Michigan 48842 Telephone: (517) 699-0345 Facsimile: (517) 699-0382

Fibertec
industrial hygiene
services, inc.

Comments

Bulk samples are analyzed using the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without the written approval of the laboratory. Individual sample layers are homogeneous, unless otherwise noted. Test items were received in acceptable condition. Revision 4.0 dated 12/8/2010.

If no asbestos was/were detected in the sample/samples the acronym NAD (no asbestos detected) will appear in the Asbestos Type column of the report.

Approved Signatory: _____

Date: 1/28/2013

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 0000 ACM 01

Client Name: TETRA TECH

Contact Person: DANIEL SOPOCI

Project Name/ Number: 415 W. Washington
117-105401.03

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (see codes on back)	# OF CONTAINERS	PRESERVED (Y/N)	PLM	Remarks
	1/16/13	900	WA-02-01	CAULK	X	1	N	X	
	1/15/13	905	WA-01-02	CAULK	X	1	N	X	
	1/15/13	910	WA-01-03	CAULK	X	1	N	X	
	1/15/13	915	WA-02-01	CEMENTEOUS SKIM COAT	X	1	N	X	
	1/15/13	940	WA-05-01	SHEET ROCK	X	1	N	X	
	1/15/13	1020	WA-04-01	PIPE STRAIGHT INSULATION	X	1	N	X	2 LAYERS: CANVAS + DARK INSULATION
	1/15/13	1110	WA-04-02	PIPE STRAIGHT INSULATION	X	1	N	X	2 LAYERS: CANVAS + DARK INSULATION
	1/15/13	1055	WA-04-03	PIPE STRAIGHT INSULATION	X	1	N	X	2 LAYERS: CANVAS + DARK INSULATION
	1/15/13	1015	WA-05-01	PIPE JOINT INSULATION	X	1	N	X	2 LAYERS: WHITE PLASTER + DARK INSULATION
	1/15/13	1020	WA-05-02	PIPE JOINT INSULATION	X	1	N	X	2 LAYERS: WHITE PLASTER + DARK INSULATION

Turnaround:
- 24 hour RUSH surcharge applies
- 48 hour RUSH surcharge applies
- 72 hour RUSH surcharge applies
- [X] Standard (5 Days)
- Other (specify)

Matrix Code:
S Soil, GW Ground Water, A Wipe, SW Surface Water, A Air, WW Waste Water, O Oil, Other (specify) ACM, P Wipe

Comments: PLEASE E-MAIL REPORT TO: daniel.sopoci@tetratech.com. DO NOT SEND PAPER REPORT. PLEASE USE FIRST-POSITIVE METHOD.

Relinquished By:	Date/ Time	Received By:
Daniel Sopoci	1/16/13 4:30	FedEx
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April 2006

TERMS & CONDITIONS ON BACK

Fibertec
environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
0001 ACM-02

Client Name: TETRA TECH
Contact Person: DANIEL SEPOCI
Project Name/ Number: 415 W. Washington
117-1054011.03
Purchase Order#:

Lab Sample #	Date	Time	Client Sample #	Client Sample Description	MATRIX (see matrix codes below)	# OF CONTAINERS	PRESERVED (Y/N)	PLM	Remarks
	1/15/13	1030	HA-05-01	pipe joint insulation	X	1	N	X	2 layers: white plaster + gray insulation
	1/15/13	1125	HA-06-01	pipe straight insulation	X	1	N	X	2 layers: canvas + insulation
	1/15/13	1130	HA-06-02	pipe straight insulation	X	1	N	X	2 layers: canvas + insulation
	1/15/13	1135	HA-06-03	pipe straight insulation	X	1	N	X	2 layers: canvas + insulation
	1/15/13	1150	HA-07-01	drywall	X	1	N	X	
	1/15/13	1200	HA-07-02	drywall joint compound	X	1	N	X	
	1/15/13	1210	HA-07-01	floor tiles	X	1	N	X	2 layers: tile + mastic
	1/15/13	1225	HA-10-01	2x4 ceiling tile	X	1	N	X	
	1/15/13	1230	HA-11-01	cove moulding	X	1	N	X	2 layers: vinyl + mastic
	1/15/13	1235	HA-12-01	carpet	X	1	N	X	2 layers: carpet + backing

Turnaround:
- [ ] 24 hour RUSH surcharge applies
- [ ] 48 hour RUSH surcharge applies
- [ ] 72 hour RUSH surcharge applies
- [X] Standard (5 business days)
- [ ] Other (specify)

Matrix Code:
- S Soil
- W Water
- A Air
- O Oil
- P Paint
- GW Ground Water
- SW Surface Water
- NW Waste Water
- Other (specify) ACM

Comments: PLEASE E-MAIL REPORT TO: daniel.sepoci@tetratech.com. DO NOT SEND PAPER REPORT
PLEASE USE FIRST POSITIVE METHOD

Relinquished By:	Date/ Time	Received By:
[signature]	1/16/13 4:3[illegible]	Fed Ex
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision April 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #: 30001 ACM053

PAGE 3 of 7

Client Name: TETRA TECH

Contact Person: DANIEL SOFOCI

Project Name/ Number: 415 W. Washington
117-10541.03

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (see above codes for circle)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: ACM	Remarks
	1/15/13	1240	[illegible]	cove moulding	X	1	N	X	2 layers: vinyl + mastic
	1/15/13	1242	[illegible]	green carpet	X	1	N	X	2 layers: carpet + backing
	1/15/13	1244	[illegible]	black fiberboard	X	1	N	X	
	1/15/13	1250	[illegible]	2x4 ceiling tile	X	1	N	X	
	1/15/13	1305	[illegible]	9x9 floor tile	X	1	N	X	2 layers: tile + mastic
	1/15/13	1315	[illegible]	fibrous insulation	X	1	N	X	2 layers: [illegible] + brown mastic
	1/15/13	1355	[illegible]	boiler insulation	X	1	N	X	
	1/15/13	1340	[illegible]	fireproofing mortar	X	1	N	X	
	1/15/13	1345	[illegible]	fireproofing mortar	X	1	N	X	
	1/15/13	1350	[illegible]	fireproofing mortar	X	1	N	X	

Turnaround:
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- X Standard (5-7 days)
- Other (specify)

Matrix Code:
S Soil, GW Ground Water, W Water, SW Surface Water, A Air, WW Waste Water, O Oil, O Other (specify) ACM, P Wipe

Comments: PLEASE E-MAIL REPORT TO: daniel.sofoci@tetratech.com. DO NOT SEND PAPER REPORT. PLEASE USE FIRST POSITIVE METHOD.

Relinquished By:	Date/ Time	Received By:
Daniel P Sofoci	1/16/13 4:30	FedEx
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
0001 ACM64

Client Name: TETRA TECH

Contact Person: DANIEL SCIARCI

Project Name/ Number: 415 W. Washington
117-16540 11.03

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (see codes on bottom)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: PLM	Remarks
	1/15/13	1400	117-22-01	refractory cement	X	1	N	X	
	1/15/13	1405	117-22-02	yellow insulation	X	1	N	X	
	1/15/13	1410	117-23-01	pipe straight insulation	X	1	N	X	
	1/15/13	1415	117-23-02	pipe straight insulation	X	1	N	X	
	1/15/13	1420	117-23-03	pipe straight insulation	X	1	N	X	
	1/15/13	1525	117-24-01	gray vinyl	X	1	N	X	2 layers vinyl + mastic
	1/15/13	1530	117-25-01	2x4 ceiling tile	X	1	N	X	
	1/15/13	1535	117-26-01	brown carpet	X	1	N	X	2 layers: carpet + backing
	1/15/13	1540	117-27-01	white caulk (elastic)	X	1	N	X	
	1/15/13	1545	117-28-01	white caulk (crumbly)	X	1	N	X	

Turnaround:
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- [X] Standard (5 business days)
- Other (specify)

Matrix Code:
S Soil, GW Ground Water, W Wipe, SW Surface Water, A Air, WW Waste Water, O Oil, [X] Other (specify) ACM, P Paint

Comments: PLEASE E-MAIL REPORT TO: daniel.sciarci@tetratech.com. NO PAPER REPORT.
PLEASE USE FIRST-POSITIVE METHOD.

Relinquished By:	Date/ Time	Received By:
Daniel Sciarci	1/18/13 4:30	FedEx
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revison: April 2006

TERMS & CONDITIONS ON BACK

[redacted]
Fibertec
environmental
services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0368
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 00001 ATCMOS

Client Name: TETRA TECH
Contact Person: DANIEL SOPOCI
Project Name/ Number: 415 W. Washington
117-105401.03
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (please complete code)	# OF CONTAINERS	PRESERVED (Y/N)	ACM									Remarks
	1/16/13	900	[redacted]-01	white caulk (crumbly)	X	1	N	X									
	1/15/13	1600	[redacted]-29-01	2x4 ceiling tile	X	1	N	X									
	1/15/13	1610	[redacted]-30-01	Pinboard	X	1	N	X									
	1/15/13	1630	[redacted]-31-01	lt. brown/gray carpet	X	1	N	X									
	1/15/13	1635	[redacted]-32-01	12x12 floor tile (tan)	X	1	N	X									2 layers tile and mastic
	1/15/13	1640	[redacted]-33-01	9x9 floor tile (red)	X	1	N	X									2 layers tile and mastic
	1/15/13	1645	[redacted]-34-01	9x9 floor tile (dk red)	X	1	N	X									2 layers tile and mastic
	1/15/13	1650	[redacted]-35-01	1x1 ceiling tile	X	1	N	X									
	1/16/13	940	[redacted]-36-01	white caulk (brittle)	X	1	N	X									
	1/16/13	845	[redacted]-37-01	white caulk (elastic)	X	1	N	X									

Turnaround:
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- [X] Standard (5 to 10 days)
- Other (specify)

Matrix Code:
- S Soil
- W Water
- A Air
- C Oil
- P Wipe
- GW Ground Water
- SW Surface Water
- DW Drinkable Water
- O Other (specify) ACM

Comments: PLEASE SEND E-MAIL REPORT TO: daniel.sopoci@tetratech.com. NO PAPER REPORT
PLEASE FAX AT FIRST POSITIVE.

Relinquished By:	Date/ Time	Received By:
[redacted]	1/16/13 14:30	FedEX
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revison: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 00001 ACMCK

Client Name: TETRA TECH

Contact Person: DANIEL SOPOCI

Project Name/ Number: 415 W. Washington
117-1054011-03

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Description	MATRIX	# OF CONTAINERS	PRESERVED (Y/N)	PLM
	1/16/13	850		2x2 panel flooring	X	1	N	X
	1/16/13	905		drywall	X	1	N	X
	1/16/13	1000		drywall	X	1	N	X
	1/16/13	910		drywall joint compound	X	1	N	X
	1/16/13	1005		drywall joint compound	X	1	N	X
	1/16/13	915		laminate surface	X	1	N	X
	1/16/13	920		9x9 gray floor tile	X	1	N	X
	1/16/13	925		2x4 ceiling tile	X	1	N	X
	1/16/13	940		4x3 ceiling tile	X	1	N	X
	1/16/13	950		4x4 ceiling tile	X	1	N	X

Turnaround:
- 24 hour RUSH surcharge applies
- 48 hour RUSH surcharge applies
- 72 hour RUSH surcharge applies
- [X] Standard (5-7 business days)
- Other: Specify

Remarks: 2 layers tile and mastic

Matrix Codes: S Soil, GW Ground Water, W Wipe, DW Drinking Water, A Air, WW Wastewater, O Oil, X Other: Specify, P Paint — ACM

Comments: PLEASE EMAIL REPORT TO daniel.sopoci@tetratech.com. NO PAPER REPORT. PLEASE STOP AT FIRST POSITIVE.

Relinquished By	Date/ Time	Received By
Daniel Sopoci	1/16/13 4:30	FedEx
Relinquished By:	Date/ Time:	Received By:
Relinquished By:	Date/ Time:	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April 2008

TERMS & CONDITIONS ON BACK

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
0001 ACMC7
PAGE 1 of 1

Client Name: TETRA TECH
Contact Person: DANIEL SOPOCI
Project Name/ Number: 415 W. Washington
117-105401103
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (enter code)	# OF CONTAINERS	PRESERVED (Y/N)	PLM
	1/10/13	1030		12x12 floortile	X	1	N	X
	1/10/13	1035		12x12 floortile (tan)	X	1	N	X
	1/10/13	1040		12x12 floortile (tan+divots)	X	1	N	X
	1/10/13	1045		12x12 floortile (sandstone)	X	1	N	X
	1/10/13	1050		cove moulding	X	1	N	X
	1/10/13	1055		2x4 ceiling tile (popcorn)	X	1	N	X

PARAMETERS

Turnaround
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- [X] Standard (5-7 bus. days)
- Other: Specify

Matrix Code
S Soil, GW Ground Water, W Water, SW Surface Water, A Air, DW Potable Water, O Oil, X Other: Specify ACM, P Wipe

Remarks: 2 layers tile + backing

Comments: PLEASE E-MAIL REPORT TO: daniel.sopoci@tetratech.com NO PAPER PLEASE.
PLEASE STOP AT FIRST POSITIVE RESULT.

	Date/ Time	Received By
Relinquished By:	1/10/13 4:30	FedEx
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By, Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

ATTACHMENT B

LEAD INFORMATION

Table 2
Paint Chip Sample Summary
415 W. Washington Street
Ann Arbor, Michigan 48103

Sample #	Location	Color	Condition	Evidence of layers	Laboratory Lead Result (%)
P-01	Second floor, walls near stairwell	White w/ Green and Blue on back	Damaged	Y	0.049
P-02	Second floor, ceiling near stairwell	Taupe w/ Yellow on Back	Damaged	Y	0.011
P-03	Second floor, Room 14	White	Good	N	0.0009
P-04	Second floor, Room 2, 10	Black	Damaged	N	0.097
P-05	**Second floor, concrete floor in Room 17**	**Dark Gray over Light Gray and Brick Red**	**Damaged**	**Y**	**2.7**
P-06	Second floor, doorway trim of Room 22	Lt. Brown over Lt. Green	Good	Y	0.46
P-07	Second floor, windows and radiator trim in Room 5	Lt. Pink/Purple over Black	Good	Y	0.032
P-08	Second floor, doorway trim in Room 8	Green over Black	Good	Y	0.12
P-09	Second floor, walls in Room 27	Lt. Blue	Good	N	0.018
P-10	**Second floor, walls in Room 26**	**Green**	**Damaged**	**N**	**3.1**
P-11	Second floor, cabinets/doors/trim outside Room 26	Brown w/ White	Good	Y	0.0014
P-12	Second floor, floor in Room 25	Red	Good	N	0.088
P-13	**Second floor, railing on front of elevator**	**Yellow**	**Damaged**	**N**	**7.0**
P-14	**Second floor, Room 25**	**Gray over Yellow**	**Damaged**	**Y**	**3.8**
P-15	First floor, NW Corner Office	Pink	Good	N	0.0031
P-16	First floor, NW Corner Office	Dark Gray	Good	N	0.0005
P-17	**West Garage Bay Doors**	**Orange over Yellow over Gray**	**S. damaged**	**Y**	**13**
P-18	**West Garage Bay Doors - Concrete**	**Gray/Silver**	**S. damaged**	**N**	**26**
P-19	**South Garage Bay Doors**	**Yellow/Orange**	**Damaged**	**Y**	**3.2**

Notes: 1) NS = Not sampled for bulk analysis.
2) S. damaged = severly damaged
3) See Figure 2 for Room numbers.

Fibertec
environmental
services

Friday, January 25, 2013

Fibertec Project Number:	53993
Project Identification:	415 W. Washington /117-1054011.03
Submittal Date:	01/21/2013

Mr. Daniel Sopoci
Tetra Tech GEO
710 Avis Drive
Ann Arbor, MI 48108

Dear Mr. Sopoci,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

Client Identification:	**Tetra Tech GEO**	Sample Description:	**white-green-blue**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-01**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**11:55**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-001** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.049**		%	0.00017	340	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**taupe-yellow**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-02**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**11:57**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-002** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.011**		%	0.00013	260	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**white**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-03**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-003** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.00090**		%	0.00010	58	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**black**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-04**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:05**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-004** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.097**		%	0.00016	310	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**dk.gray-lt.gray**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-05**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-005** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**2.7**		%	0.0017	3400	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**lt. brown-lt. green**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-06**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:25**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-006** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.46**		%	0.00032	630	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**lt. pink/purple-black**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-07**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-007** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.032**		%	0.00017	340	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**green-black**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-08**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:40**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-008** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.12**		%	0.00017	340	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**lt. blue**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-09**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-009** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.018**		%	0.00015	300	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**green**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-10**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**12:55**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-010** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**3.1**		%	0.0018	3600	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**brown-white**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-11**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-011** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.0014**		%	0.00010	66	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**red**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-12**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:05**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-012** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.088**		%	0.00036	720	01/22/13	PT13A22D	01/22/13	T213A22A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**yellow**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-13**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:15**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-013** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**7.0**		%	0.0039	7800	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**gray-yellow**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-14**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-014** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**3.8**		%	0.0031	6300	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**pink**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-15**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:25**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-015** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.0031**		%	0.00013	260	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**dk. Gray**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-16**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-016** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**0.00049**		%	0.00026	510	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**orange-yellow-gray**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-17**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:35**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-017** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**13**		%	0.011	21000	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**gray-silver**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-18**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:40**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-018** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**26**	E	%	0.011	23000	01/22/13	PT13A22D	01/23/13	T213A23A

Client Identification:	**Tetra Tech GEO**	Sample Description:	**yellow-orange**	Chain of Custody:	**NA**
Client Project Name:	**415 W. Washington**	Sample No:	**P-19**	Collect Date:	**01/16/13**
Client Project No:	**117-1054011.03**	Sample Matrix:	**Other (Solid)**	Collect Time:	**13:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead Content (Paint) (EPA 0200.2-M/EPA 6020A) **Aliquot ID: 53993-019** **Matrix: Other (Solid)** **Analyst: JLP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead	**3.2**		%	0.0026	5300	01/22/13	PT13A22D	01/23/13	T213A23A

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QA limits

Exception Summary:

ACCREDITED IN ACCORDANCE WITH nelac

Accreditation Number:

E-10395

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
00001 PAINT01

PAGE 1 of 2

Client Name: TETRA TECH
Contact Person: DANIEL SOPOCI
Project Name/ Number: 415 W. Washington 117-105401.03
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: Lead Effluent	PARAMETERS: Lead Content
	1/16/13	1155	P-01	~~P-01~~ white - green - blue	X	1	N	X	
	1/16/13	1157	P-02	taupe - yellow	X	1	N	X	
	1/16/13	1200	P-03	white	X	1	N	X	
	1/16/13	1205	P-04	black	X	1	N	X	
	1/16/13	1220	P-05	dk. gray - lt. gray	X	1	N	X	
	1/16/13	1225	P-06	lt. brown - lt. green	X	1	N	X	
	1/16/13	1230	P-07	lt. pink/purple - black	X	1	N	X	
	1/16/13	1240	P-08	green - black	X	1	N	X	
	1/16/13	1245	P-09	lt. blue	X	1	N	X	
	1/16/13	1255	P-10	green	X	1	N	X	

Turnaround
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [X] Standard (5-7 bus. days)
- [ ] Other: Specify

Matrix Code
S Soil | GW Ground Water | W Water | SW Surface Water | A Air | WW Waste Water | O Oil | X Other: Specify PAINT | P Wipe

Remarks:

Comments: PLEASE E-MAIL REPORT TO: daniel.sopoci@tetratech.com, DO NOT SEND PAPER REPORT.

Relinquished By:	Date/ Time	Received By:
Daniel Sopoci	1/16/13 4:30	FedEx
Fed Ex		Fed Ex
Fed Ex	1-21-13 1202p	

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking: 53993
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 00001 PAINT02

PAGE 2 of 2

Client Name: TETRA TECH
Contact Person: DANIEL SOPOCI
Project Name/ Number: 415 W. WASHINGTON 117-1054011.03
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: Lead EPA 6020A	PARAMETERS: Lead content
	1/16/13	1300	P-11	brown - white	X	1	N	X	
	1/16/13	1305	P-12	red	X	1	N	X	
	1/16/13	1315	P-13	yellow	X	1	N	X	
	1/16/13	1320	P-14	gray - yellow	X	1	N	X	
	1/16/13	1325	P-15	pink	X	1	N	X	
	1/16/13	1330	P-16	dk. gray.	X	1	N	X	
	1/16/13	1335	P-17	orange - yellow - gray	X	1	N	X	
	1/16/13	1340	P-18	gray - silver	X	1	N	X	
	1/16/13	1345	P-19	yellow - orange	X	1	N	X	
	~~1/16~~								

Turnaround:
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [X] Standard (5-7 bus. days)
- [ ] Other: Specify

Matrix Code: S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify PAINT

Remarks:

Comments: PLEASE E-MAIL REPORT TO: daniel.sopoci@tetratech.com. DO NOT SEND PAPER REPORT.

Relinquished By: Daniel Sopoci	Date/ Time 1/16/13 4:30	Received By: Fed Ex
Relinquished By: Fed Ex	Date/ Time	Received By: Fed Ex
Relinquished By: Fed Ex	Date/ Time 1-21-13	Received By Laboratory: 1202pm

LAB USE ONLY:
Fibertec project number: 53993
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

ATTACHMENT C

HAZARDOUS BUILDING MATERIALS INFORMATION

Table 3
CFC-Containing Units
415 W. Washington Street
Ann Arbor, Michigan 48103

Revision Date: January 17, 2012

Personnel completing this form: Daniel Sopoci, Tetra Tech

Item	Manufacturer	Model Number	Refrigerant	Capacity (oz.)	Location	Condition
Air Conditioner	Panasonic	CW-C121MU	R22	20.1	First floor, NW office	Poor
Air Conditioner	Whirlpool	ac-0052x	--	--	First floor, far NW corner	Poor
Air Conditioner	Amana	5P2MW	R22	14	First floor, Millett Room	Poor
Air Conditioner	Amana	--	--	--	Second Floor Offices	Poor
Air Conditioner	Whirlpool	ACM052XA0	R22	11.5	Second Floor Offices	Poor
Air Conditioner	Whirlpool	ACM052XA0	R22	11.5	Second Floor Offices	Poor
Air Conditioner	Amana	AAC081SRA	R22	25.8	Second Floor Offices	Poor
Air Conditioner	Goldstar	RS207Y3	R22	7.8	Second Floor Offices	Poor
Air Conditioner	Carrier	51ES114301	R22	21.5	Second Floor Offices	Poor
Air Conditioner	Whirlpool	--	--	--	Second Floor Offices	Poor
Air Conditioner	Whirlpool	X05002XD6	R22	11.25	Second Floor Offices	Poor
Air Conditioner	Whirlpool	ACQ082XD0	--	--	Second Floor Offices	Poor
Air Conditioner	Panasonic	CW-XC183EU	R22	22.6	Second Floor Offices	Poor
Air Conditioner	Whirlpool	ACM122XF0	R22	21	Second Floor Offices	Poor
Air Conditioner	Comfort-Aire	BE-93	R22	26.5	Second Floor Offices	Poor
Air Conditioner	Kelvinator	MH418F2SG	R22	39	Second Floor Offices	Poor
Air Conditioner	--	WV253HE	R22	40	Second Floor Offices	Poor
Air Conditioner	Sears	106-73045	R22	20	Second Floor Offices	Poor
Air Conditioner	Panasonic	CW-C200NU	R22	29.7	Second Floor Offices	Poor
Air Conditioner	Kenmore	2537215200	R22	37.5	First floor, Radio Offices	Poor
Air Conditioner	Panasonic	--	R22	small	First floor, Radio Offices	Poor
Air Conditioner	Fedders	A200SF2A	R22	9.25	Small office off West Garage	Poor
Drinking Fountain	Halsey Taylor	5300-2D-1	R12	3.25	Second Floor Offices	Poor
Drinking Fountain	--	--	--	--	First floor, under stairwell by North Garage	Poor
Refrigerator	Magic Chef	MCWC52B	R134a	3.52	First floor, Millett Room	Poor

Table 4
Radioactive Materials
415 W. Washington Street
Ann Arbor, Michigan 48103

Revision Date: January 17, 2012

Personnel completing this form: Daniel Sopoci, Tetra Tech

Item	Manufacturer	Model Number	Isotope	Amount Present (uCurie)	Location	Condition
Smoke detector	Notifier	NK-24	^{241}Am	0.8	Radio offices	Good
Smoke detector	Notifier	NK-24	^{241}Am	0.8	Radio offices	Good
Smoke detector	Notifier	NK-24	^{241}Am	0.8	Second floor, Room 20	Good
Smoke detector	Notifier	NK-24	^{241}Am	0.8	Second floor, Room 20	Good
Smoke detector	Notifier	NK-24	^{241}Am	0.8	Second floor, Room 27	Good
Refractory Cement	--	--	--	--	Boiler interior in Boiler Room	Good

Notes:

1. 241 Am = Americium 241.
2. See Figures 1 and 2 for locations and room numbers

Table 5
Universal Waste
415 W. Washington Street
Ann Arbor, Michigan 48103

Revision Date: January 17, 2012

Personnel completing this form: Daniel Sopoci, Tetra Tech

Item	Quantity	Location	Condition
Fluorescent lights	200	Throughout Building	Good
Lightbulbs	200	West of High Bay area in North Garage above Millett Office	Good
Fluorescent lights/flood lights	150	Northwest corner of North Garage in storage room	Good
Thermostat	2	Northeast corner of North Garage	Good
Thermostat	1	Second floor, Room 9	Good
Thermostat	1	Second floor, Room 20	Good
Thermostat	1	Second floor, Room 26	Good

Notes:

1. See Figures 1 and 2 for locations and room numbers

Table 6
Lab-Pack Materials
415 W. Washington Street
Ann Arbor, Michigan 48103

Revision Date: January 17, 2012
Personnel completing this form: Joy Gryzenia, Tetra Tech

Description	Quantity	Capacity and Container Type	Phase	Notes
Antifreeze	1	1-gallon container	Liquid	Full
Non-Butyl Industrial Detergent Complex	4	5-gallon bucket	Liquid	Open
De-Icing Salt	1040	50-lb bags	Solid	South Garage, east side
Portable Fuel storage tank, gasoline	1	100-gallon	Liquid	South Garage, east side
Unlabeled Drums	2	40-gallon Drum	Liquid	South Garage
Unlabeled Drums	3	55-gallon Drum	Liquid	South Garage, Near salt storage
Drum labeled "TACK"	1	55-gallon Drum	Liquid	South Garage, Near salt storage
Compound Cleaning Liquid	1	55-gallon Drum	Liquid	South Garage, west side
Urethane Primer and Epoxy Hardener	23	5-gallon	Liquid	Corrosive label
Epoxy Primer	20*	1-5 gallon buckets	Liquid	South Garage, west side
Paint cans/buckets	100	1-5-gallon buckets	Liquid	South Garage, west side
Elastomeric concrete aggregate and activators	17	1-5 gallon bucket	Liquid/Solid	South Garage, west side
Repair Mortar	6	50-lb bag	Solid	South Garage, west side
Urethane Deck Coating	2	55-gallon Drum	Liquid	South Garage, west side
Sealants, adhesives, floor finish	30-40	1-5 gallon containers	Liquid	South Garage, west side
Portable Fuel Tank	1	50-gallon	Liquid	South Garage, west side
Concrete	12	50-lb bags	Solid	South Garage, west side
Xylene	2	55-gallon Drum	Liquid	South Garage, west side
Hydraulic Fluid	5	5-gallon bucket	Liquid	South Garage, west side
Portable Fuel Tank	3	100-gallon	Liquid	South Garage, west side
Corrosion inhibitor	1	55-gallon Drum	Liquid	South Garage, west side
Propane Tanks	3	--	Gas	South Garage, west side

* = estimated quantity