



September 1, 2009

City of Bay City
301 Washington Avenue
Bay City, Michigan 48708

Subject: Updated Pre-Demolition Asbestos/Hazardous Material Survey
Information contained in this report supersedes previously issued information and is intended to clarify findings of any previous reports and summarize results of additional investigations.
AKT Peerless Project No.: 3522f

Location: Former Brownhoist Property
202 Saginaw Street
Bay City, Michigan

To Whom It May Concern:

AKT Peerless Environmental & Energy Services (AKT Peerless) was retained by the City of Bay City to perform a pre-demolition asbestos and hazardous material survey of two structures identified as part of the Former Brownhoist Property at 202 Saginaw Street in Bay City, Michigan.

The purpose of AKT Peerless' survey was to identify asbestos-containing materials (ACMs) and other obvious hazardous materials present at the property prior to demolition activities. The proposed demolition activities are subject to U.S. Environmental Protection Agency (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) standards. The methods used to complete the asbestos survey are based on the procedures outlined in part of the Asbestos Hazard Emergency Response Act (AHERA) in 40 CFR 763 and the NESHAP standards.

DESCRIPTION OF BUILDING SURVEY

AKT Peerless conducted the initial field survey activities on July 28, 2009. AKT Peerless performed limited additional survey activities using aerial lift equipment on August 25, 2009.

The subject property contains the following structures:

Building 1: 202 Saginaw Street		
General Construction	Interior Finish:	Square Ft.
Partial 3-story, brick, metal and partial wood frame, concrete block support walls	Brick, concrete, concrete block, wood, drywall, ceiling tile, glass, paint, etc.	112,206 Square Feet (entire structure)

Building 2: 202 Saginaw Street		
General Construction	Interior Finish:	Square Ft.
1-story, brick, metal, and partial wood frame.	Brick, concrete, wood, drywall, paneling, glass, paint, etc.	51,456 Square Feet (entire structure)

The structures were vacant at the time of the survey. Building access was provided by the City of Bay City, current subject property owner. The structures are planned for demolition.

See Appendix A for a Topographic Location Map, Subject Property Map and Building Maps.

ACM SURVEY

During the asbestos survey, AKT Peerless identified homogeneous areas based on appearances and type of materials observed. As defined under AHERA, a homogeneous area is an area that appears similar throughout in terms of its color, texture, and date of material application. Refer to Table 1 in Appendix B for a listing of the homogeneous areas identified.

During the asbestos survey, AKT Peerless identified various functional spaces in the building. In general, functional spaces are defined as spatially distinct units or areas within a building, which contain identifiable populations of building occupants. These spaces can include individual rooms, closets, basement, etc. However, a functional space can also be delineated based on general building layout, facility use factors, and can be assigned using various arbitrary factors that were useful in the completion of this survey. Functional spaces are described in Table 2 located in Appendix B and shown on Figures 3 and 4 in Appendix A.

ACM Bulk Sample Material Inventory

Based on the homogeneous and functional areas identified during the survey, AKT Peerless collected 99 bulk samples and identified 37 homogeneous areas from Buildings 1 and 2. Samples were collected in polyethylene containers and labeled with an identification number. In general, AKT Peerless’ sampling protocol consisted of: (1) extracting a sample with a clean knife, chisel, or coring tool and (2) placing the sample into its properly labeled sample container. All samples were delivered to a laboratory under chain-of-custody documentation. The samples collected are summarized in Table 3 located in Appendix B. The general sample locations are shown on Figures 5 and 6. Bulk sample laboratory results and the chain of custody records are provided in Appendix C.

The samples were collected by a Michigan Occupational Safety and Health Administration (MIOSHA), Construction Safety and Health Division (CSHD) accredited Asbestos Inspector. The inspectors were Jill Boudreau-Wallaker, Accreditation Number A36774 and Donald Malusi, Accreditation Number A14322.

ACM Laboratory Analytical Procedures

All samples collected were submitted to and analyzed by APEX Research Laboratories, Inc. of Whitmore Lake, Michigan. APEX is accredited by the American Industrial Hygiene Association (AIHA) and participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Chain-of-custody guidelines were followed to ensure proper handling and delivery of the samples. The samples were analyzed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the following USEPA guidance document titled: *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116*, and dated July, 1993.

The laboratory analyzed approximately 92 bulk samples. Percentages and types of fibrous components in these samples were determined by visual estimation of the amount of fibrous materials versus the total amount of material present. The Occupational Safety and Health Administration (OSHA) definition of ACM is any material containing more than one (1) percent asbestos. Materials containing less than one (1) percent of asbestos are considered non-asbestos containing.

According to the USEPA, if one sample of a homogenous material is identified to be asbestos containing, the entire material must be considered asbestos containing.

ACM Findings

During the asbestos survey, AKT Peerless identified 37 homogeneous areas of suspect ACM and 13 functional spaces. Based on the materials observed, 99 samples were submitted for laboratory analysis. Based on the results of the survey, the following ACMs were identified at the subject property.

**Summary of Identified ACM
Buildings 1 and 2, 202 Saginaw Street, Bay City, Michigan**

Building 1				
Description of ACM	ACM Location	HA No.	Approximate Quantity	Friable / Non-friable
Window caulk - gray	FS – 01; Main Area - Building 1	HA-03	31,200 SF	F
Transite board - gray	FS – 01; Main Area - Building 1	HA-05	1,600 SF	NF
Fire Door	FS-02; Stairwell Building 1	HA-06	2 Doors	NF
Window caulk - white	FS 03; Mezzanine #1 - Building 1	HA-07	1,880 SF	F
Window caulk from wooden window - gray	FS – 06; Mezzanine #2 - Building 1	HA-10	1,632 SF	F
Window caulk -gray to white	FS – 07; 3rd story - Building 1	HA-11	1,760 SF	F

Building 1				
Description of ACM	ACM Location	HA No.	Approximate Quantity	Friable / Non-friable
Electrical board (Cutler Hammer) - gray	FS – 07; 3rd story - Building 1	HA-12	1 unit	NF
Lower Roof Material Building 1	FS-12; Roof Building 1	HA-36	16,760 SF	NF

Building 2				
Description of ACM	ACM Location	HA No.	Approximate Quantity	Friable / Non-friable
Electrical board (Cutter Ham) - gray	FS – 10; Main Area - Building 2	HA-21	1 unit	NF
Roofing material, black shingles	FS-11, Roof-Building 2	HA-23	NE	NF
Flashing Gray Tar-like Building #2	FS-11, Roof Building 2	HA-27	NE	NF
Tar Between Metal Patch on interior roof Building #2	FS-10, Main Area - Building 2	HA-30	25 LF	NF

Table Notes:

SF = Square Feet F = Friable NF = Non-friable
 FS = Functional Space HA = Homogeneous Area

SURVEY FOR POLYCHLORINATED BIPHENYLS (PCBS) AND MERCURY CONTAINING MATERIALS

AKT Peerless conducted an inspection of the facility to identify the existence of mechanical or electrical system components that may contain polychlorinated biphenyls (PCBs) and/or mercury containing components. A description of the survey procedures used as part of this survey and its findings is provided in the following section of this report.

PCB and Mercury Component Inspection Procedures

No dismantling of mechanical or electrical system components was performed as part of this survey. In addition, no destructive sampling of building systems suspected of containing either PCBs or mercury components was performed. In general, the survey activities centered on identifying the general location and quantity of mechanical and/or electrical equipment that may contain PCB or mercury components.

AKT Peerless visually inspected the accessible areas of the buildings for PCB containing light ballasts, transformers, and mercury light tubes and switches. The survey was performed in interior spaces and comprised of an inspection of accessible fluorescent ceiling light fixtures for possible PCB containing ballast systems. In addition, AKT Peerless noted the location of on-site electrical switches and light bulbs to determine if potential mercury containing materials existed in this equipment.

PCB Component Survey Findings

During the survey, fluorescent lighting fixtures were observed within the interior areas of the buildings. The ballasts were located on exposed lighting fixtures. During the inspection, each lighting system fixture was determined or assumed to contain a ballast unit. The results of the survey identified approximately 26 ballasts, 12 in Building 1 and 14 throughout Building 2.

The date of manufacture of the on-site lighting system ballasts could not be identified for all ballasts inspected. However, due to the age of the building and based on the results of the inspection activities, some of the ballasts may have been manufactured prior to 1979. In general, lighting system ballasts installed prior to 1979 are known to contain PCBs.

Suspect PCB containing building components identified are summarized in Table 5 in Appendix B.

Mercury Component Survey Findings

During the survey, mercury vapor or high-pressure bulb fixtures were observed throughout the interior of Buildings 1 and 2. The fixtures were located on ceilings, as exposed lighting fixtures. The results of the survey identified various mercury vapor and high pressure bulbs including approximately 202 in Building 1 and 109 in Building 2.

Suspect mercury containing building components identified are summarized in the Tables in Appendix B.

SURVEY FOR OTHER POTENTIALLY HAZARDOUS MATERIALS

AKT Peerless conducted an inspection of the facility to identify the existence of other potentially hazardous materials that may exist within containers such as drums, basins, tanks and in general storage areas. A description of the survey procedures used as part of this survey and its findings is provided in the following section of this report.

Other Hazardous Materials Inspection Procedures

AKT Peerless conducted an inspection of Buildings 1 and 2 to identify the existence of potentially hazardous materials and/or wastes that may require removal and disposal, or other special consideration, before the buildings are demolished. During the inspection, AKT Peerless conducted an inspection to identify the existence of: (1) above and underground storage tanks

(ASTs/USTs) and (2) potentially hazardous or regulated materials/wastes located in containers or drums.

During the survey, AKT Peerless attempted to identify the location of containers, drums, batteries, oil/water separator basins, tanks, or other features that may contain potentially hazardous or regulated materials/wastes. During the survey, AKT Peerless noted labeling that was observed on containers and an assessment of the condition (i.e., indications of leakage, corrosion, etc.) of the containers was performed. As part of the survey, no intrusive investigation or use of remote sensing equipment was used and no sampling of the contents of the storage tanks or containers was performed.

Other Hazardous Materials Inspection Findings

During the survey, AKT Peerless observed four 55-gallon drums and wood block flooring within the interior of Building 1. The wood block flooring was throughout various portions of the ground floor of Building 1. AKT Peerless collected limited characterization samples from the drums and wood block flooring.

AKT Peerless was able to access three of the four drums. The accessed drums appeared to contain oil. The fourth drum was unable to be opened and consequently was not sampled. Two composite samples were collected from the three drums and submitted for laboratory analysis. One random wood block was extracted from the floor and submitted for laboratory analysis. The laboratory analytical results from the samples collected are included in Appendix D.

There were painted surfaces including walls and ceilings within Buildings 1 and 2. It is recommended that painted surfaces be assumed to contain lead based paint. It is AKT Peerless' experience and the past position of the State of Michigan that lead based paint does not leach above regulatory levels and does not prevent landfill disposal. AKT Peerless advises demolition contractors to make their own inquiries regarding the presence of lead-based paint and confirm acceptance by the specific disposal facility for building materials. AKT Peerless also advises demolition contractors to comply with the OSHA Lead in Construction Standard.

The hazardous materials observed at the subject property are summarized in Tables 4 and 5 in Appendix B.

CONCLUSIONS AND RECOMMENDATIONS

AKT Peerless was retained to conduct an Asbestos/Hazardous Materials Survey of the former Brownhoist property located at 202 Saginaw Street, Bay City, Michigan. The purpose of the survey was to identify hazardous materials that will require special handling procedures or removal activities before conducting general building demolition activities. The following sections of this report provide conclusions and recommendations for the Asbestos/Hazardous Materials Survey.

Asbestos Containing Building Materials Recommendations

During the preparation of the asbestos survey, AKT Peerless identified functional spaces, which contained 37 homogenous areas of suspect ACM in the building. Based on the materials observed, 99 bulk samples of suspect ACM were collected for laboratory analysis. Identified ACM is described earlier in this report and in the tables in Appendix B.

Note Regarding Quantities: AKT Peerless estimated the quantity of ACBMs located at the subject property; however, AKT Peerless does not warranty the accuracy of these estimates. Many ACBMs were not readily accessible for quantification. Examples of the materials with limited accessibility include window caulk and roofing materials. Because of this limitation, actual quantities of ACBM as measured by an asbestos abatement contractor during building demolition activities may vary (greater or lesser) in comparison to quantities estimated as part of this survey. AKT Peerless also advises abatement contractors to use destructive search methods during any removal activities.

Based on the findings of the ACM Survey, AKT Peerless recommends the following:

- During the survey, AKT Peerless identified friable asbestos material including window caulk in Building 1. In general, these materials were classified as damaged. It is required that the friable ACM be removed by a licensed asbestos abatement contractor using abatement methods in accordance with applicable state and federal regulations.
- During the survey, Non-Friable Category I asbestos containing materials including roofing materials/tar products throughout the building were identified or assumed to contain asbestos. The materials were identified as non-friable. It is recommended that these materials be properly removed in accordance with applicable state and federal regulations.
- During the survey, Non-Friable Category II asbestos containing materials including transite, fire doors, and electrical system components, were identified within the subject building. It is recommended that these materials be properly removed by a licensed asbestos abatement contractor in accordance with applicable state and federal regulations.

PCB, Mercury, and Other Hazardous Materials Recommendations

During the Hazardous Materials Survey, AKT Peerless observed the existence of building mechanical and electrical systems that may contain PCBs and/or mercury components and various potentially hazardous materials in the buildings. In general, these materials consisted of light ballast fixtures, light bulbs, 55-gallon drums, and wood block flooring. An inventory of the materials observed is presented for review in Tables 4 and Table 5 in Appendix B.

AKT Peerless recommended that qualified contractors perform the removal of these materials and follow appropriate special handling and disposal measures, which are required before general building demolition. AKT Peerless also advises the contractor to make arrangements with the disposal facilities accepting the hazardous materials and conduct waste characterization as appropriate.

LIMITATIONS

A lead paint survey was not conducted as part of this survey.

AKT Peerless made reasonable attempts to conduct a complete and intrusive investigation. Locating and identifying building materials and building components that contain hazardous materials is a difficult and time-consuming task. All buildings have hidden spaces that may not be immediately obvious to a surveyor who is not intimately familiar with the building and who has only a limited time in the building. Asbestos was used in many forms and in many types of materials in the construction of buildings. In some of these materials, asbestos is present, not as an intentional ingredient, but as a contaminant. AKT Peerless was only able to gain limited access to the roofs. AKT Peerless cannot verify that all hazardous materials have been identified. It is possible that there are materials or building components that were not found because they were not visible or accessible to the inspection team or for various other reasons were not sampled.

During the survey, access to storage tanks, oil/water clarifier basins, drums, and equipment-related process tanks and reservoirs were limited to exterior observations only. The contents of unlabeled containers observed on-site are based on professional judgment of its appearance and experience with similar containers in similar situations or facilities.

Areas enclosed by fixed wall and ceiling systems were restricted to limited visual access. Fixed wall and ceiling systems included cast in place concrete wall and ceiling structures, concrete block walls, and limited quantities of wood paneled ceilings. These systems are installed throughout the interior areas of the buildings. Where possible, limited inspection of the internal wall cavities were performed; however, because of the building conditions observed and time constraints; only limited use of destructive building inspection techniques could be performed. Because of this limitation, actual quantities of ACM as measured by an asbestos abatement contractor during building demolition activities may vary in comparison to quantities estimated as part of this survey.

Due to the height of the subject building, several areas were beyond the reach and access of the inspectors. A limited survey was conducted with aerial lifts; however, due to time constraints and height limitations actual quantities of ACM as measured by an asbestos abatement contractor during building demolition activities may vary in comparison to quantities estimated as part of this survey.

Quantities of identified ACM that are reported in this survey are often used to generate cost projections for abatement projects. AKT Peerless recommends that a contingency of 15 percent be considered to address a number of unknown factors that may significantly affect the cost projection. Further, it should be anticipated that there will be other costs associated with the construction/asbestos abatement including engineering and testing fees. For planning purposes, AKT Peerless recommends an allowance of 20 percent for these costs.

CLOSING

AKT Peerless appreciates the opportunity to be of service to the City of Bay City. Should you have any questions regarding the results of this report, please feel free to contact me at 989-754-9896.

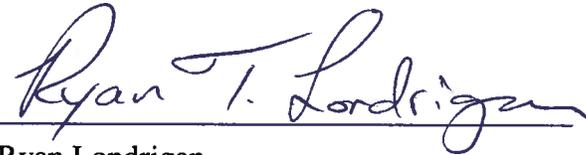
Sincerely,
AKT Peerless Environmental & Energy Services

Prepared by:


Jill Boudreau-Wallaker
Environmental Consultant

MIOSHA CSHD Asbestos Inspector Accreditation Number: A36774

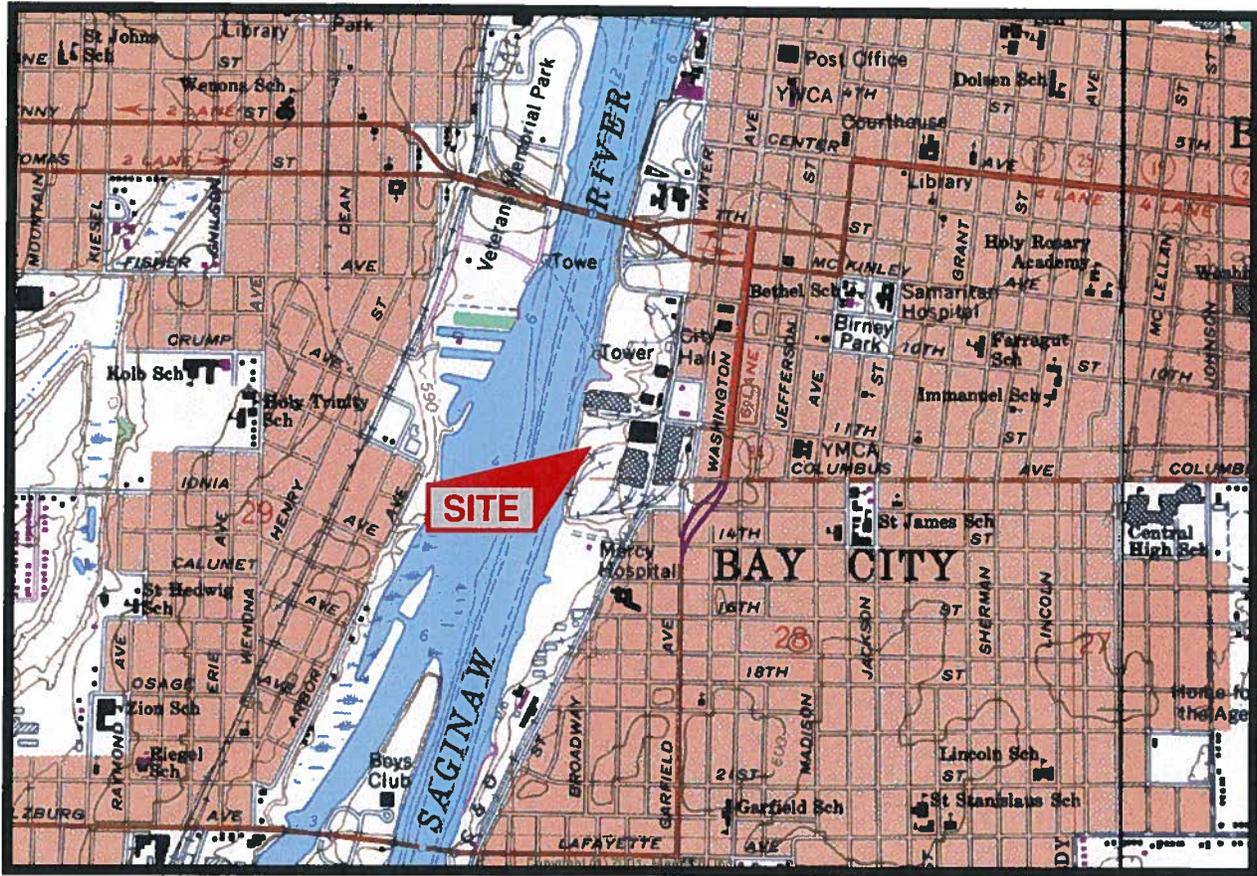
Report reviewed by:



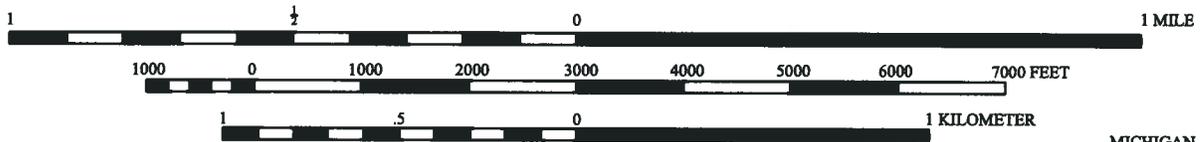
Ryan Londrigan
Project Manager

Appendix A
Figures

BAY CITY QUADRANGLE
 MICHIGAN - BAY COUNTY
 7.5 MINUTE SERIES (TOPOGRAPHIC)



T.14 N. - R.5 E.



CONTOUR INTERVAL 5 FEET
 DATUM IS MEAN SEA LEVEL



IMAGE TAKEN FROM 1967 U.S.G.S. TOPOGRAPHIC MAP
 PHOTOREVISED 1973

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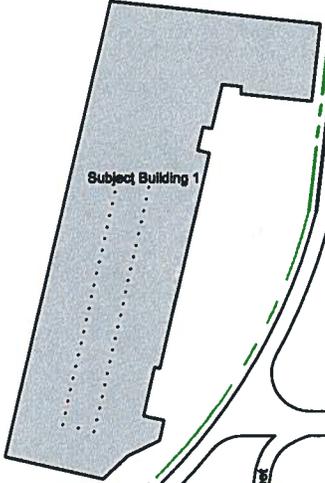
TOPOGRAPHIC LOCATION MAP
 FORMER INDUSTRIAL BROWNHOIST
 202 SAGINAW STREET
 BAY CITY, MICHIGAN
 PROJECT NUMBER: 3522f

DRAWN BY: OGO
 DATE: 04-08-09

FIGURE 1



Saginaw River



LEGEND

--- = PROPERTY LINE

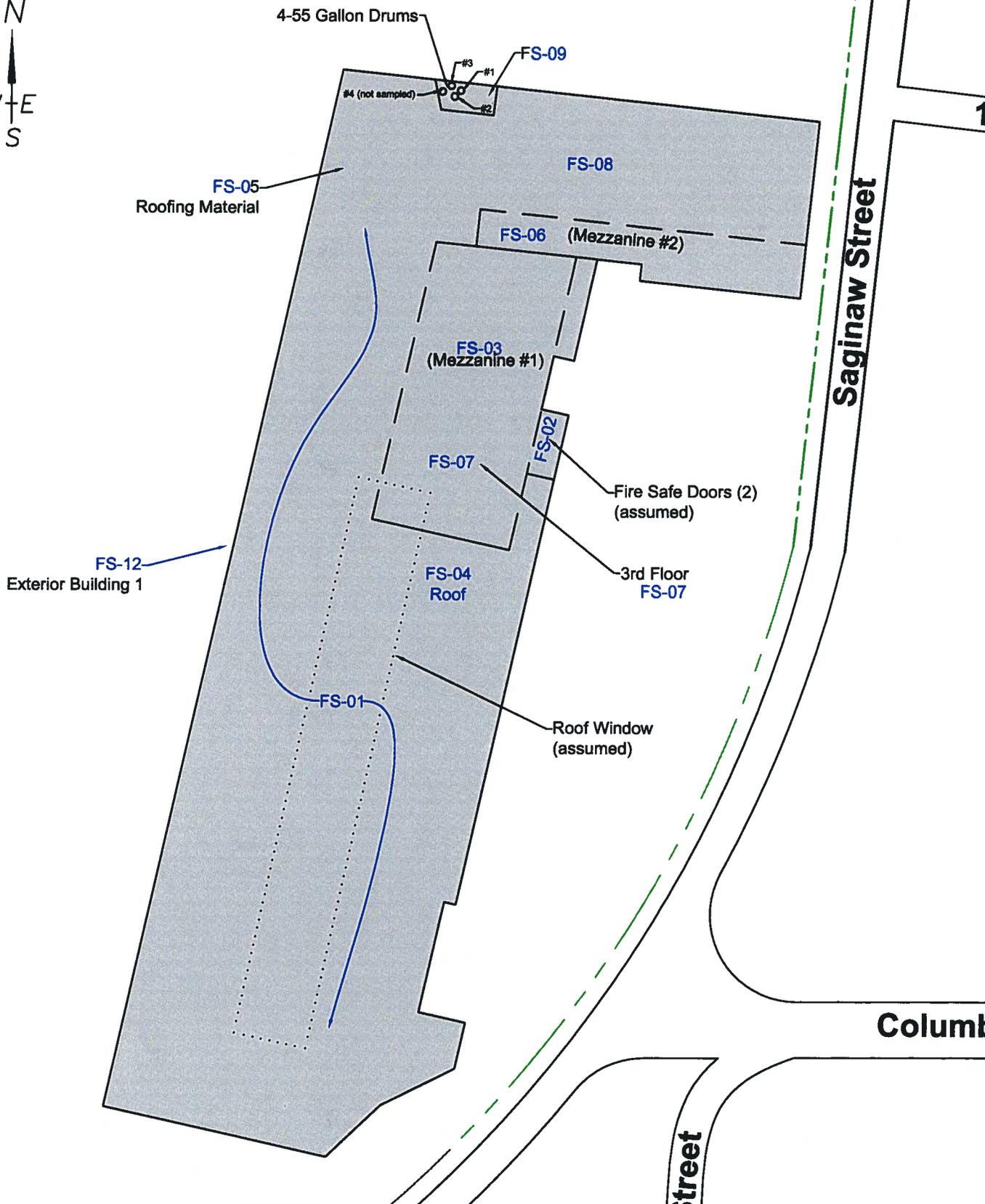
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SUBJECT PROPERTY MAP
FORMER BROWNHOIST PROPERTIES
202 SAGINAW STREET
BAY CITY, MICHIGAN
PROJECT NUMBER: 3522f

DRAWN BY: OGO
DATE: 07-30-09

0 125 250
SCALE: 1" = 250' ± 0

FIGURE 2



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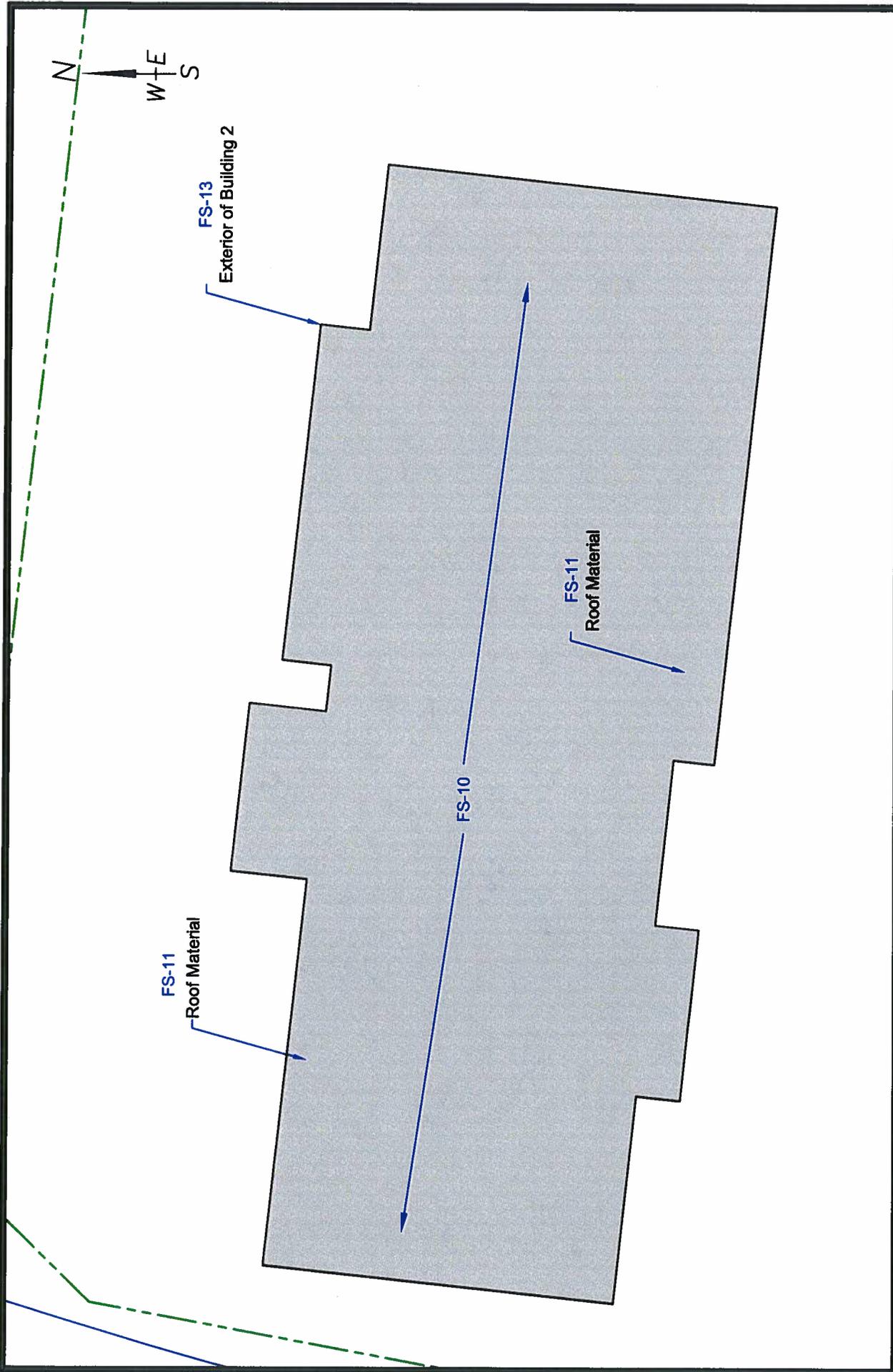
FUNCTIONAL SPACE

BUILDING 1
FORMER BROWNHOIST PROPERTIES
202 SAGINAW STREET
BAY CITY, MICHIGAN
PROJECT NUMBER: 3522f

DRAWN BY: OGO
DATE: 08-27-09

0 40 80
SCALE: 1" = 80'±0

FIGURE 3



DRAWN BY: OGO
 DATE: 08-03-09

0 25 50
 SCALE: 1" = 50' ± 0

FIGURE 4

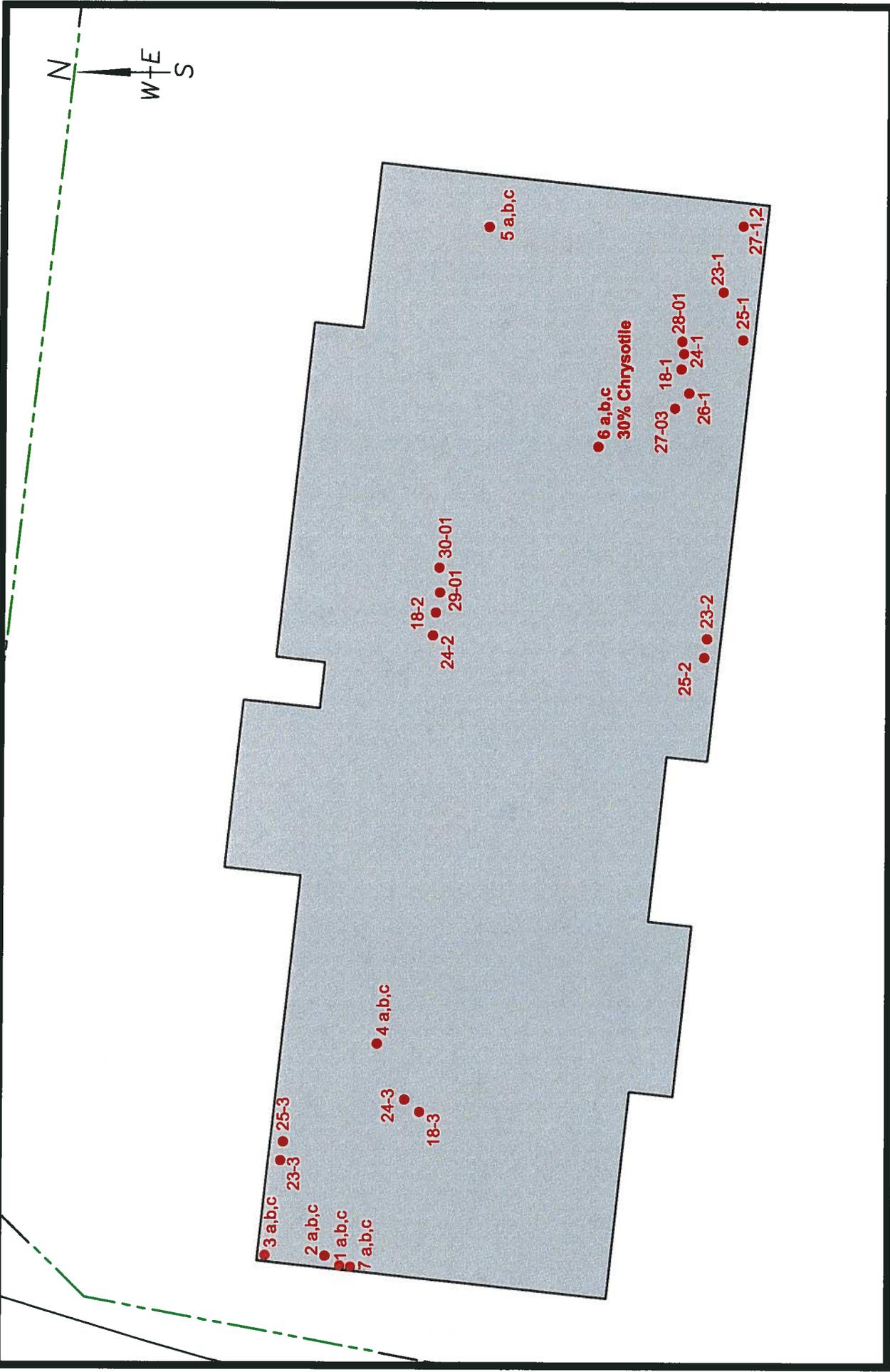
LEGEND

FUNCTIONAL SPACE

BUILDING 2
 FORMER BROWNHOIST PROPERTIES
 202 SAGINAW STREET
 BAY CITY, MICHIGAN
 PROJECT NUMBER : 3522f

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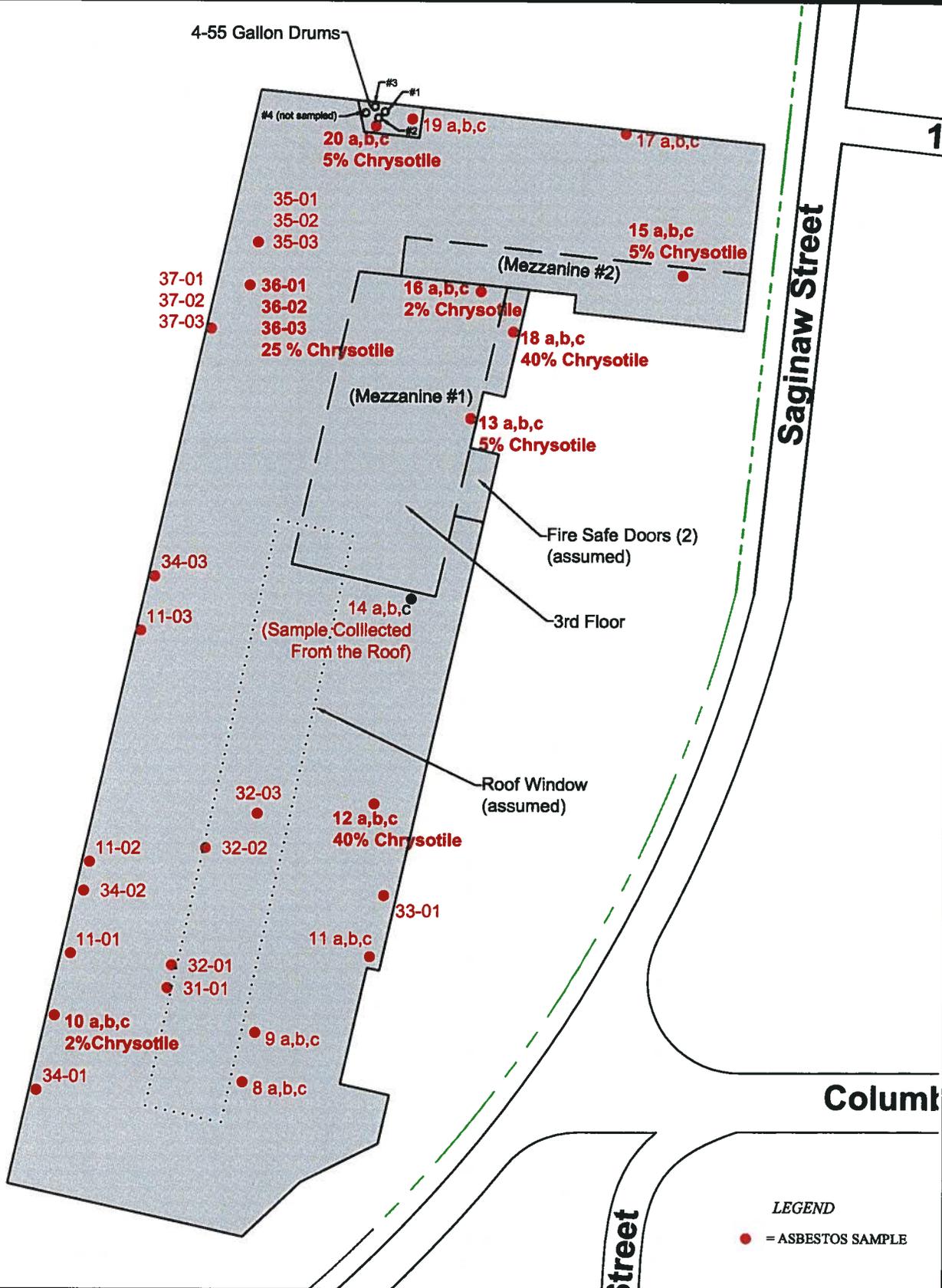
**ASBESTOS CONTAINED BUILDING
 MATERIAL LOCATION MAP**
 BUILDING 2
 FORMER BROWNHOIST PROPERTIES
 202 SAGINAW STREET
 BAY CITY, MICHIGAN
 PROJECT NUMBER: 3522f

LEGEND
 ● = ASBESTOS SAMPLE

DRAWN BY: OGO
 DATE: 08-03-09



FIGURE 5



LEGEND
 ● = ASBESTOS SAMPLE

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**ASBESTOS CONTAINED BUILDING
 MATERIAL LOCATION MAP**
 BUILDING 1
 FORMER BROWNHOIST PROPERTIES
 202 SAGINAW STREET
 BAY CITY, MICHIGAN
 PROJECT NUMBER: 3522f

DRAWN BY: OGO
 DATE: 08-03-09

0 40 80
 SCALE: 1" = 80'±0

FIGURE 6

Appendix B
Tables

TABLE 1 - HOMOGENEOUS AREA SUMMARY

CLIENT: City of Bay City
PROJECT NO: 3522F
PROJECT NAME: 202 Saginaw Street, Bay City, Michigan

HA No.	Material Description	Location	Material Class	Condition	Friability	Approx. Quantity (sq. ft.)
HA-01	Electrical board (Square D), -gray, Building 1	FS-1	MM	Good	Non-Friable	1 unit
HA-02	Electrical board (Cutler Hammer) - gray, Building 1	FS-1	MM	Good	Non-Friable	1 unit
HA-03	Window caulk - gray, Building 1	FS-1	MM	Good	Friable	31,200 SF
HA-04	Ceiling tile board - white, Building 1	FS-1	MM	Damaged	Non-Friable	20 SF
HA-05	Transite board - gray, Building 1	FS-1	MM	Damaged	Non-Friable	1,600 SF
HA-06	Fire door, Building 1	FS-2	MM	Good	Non-Friable	2 doors
HA-07	Window caulk - white, Building 1	FS-3	MM	Damaged	Friable	1,880 SF
HA-08	Roofing material - black and yellow layers, Building 1	FS-4	MM	Damaged	Non-Friable	16,760 SF
HA-09	Roofing material - black shingles, Building 1	FS-5	MM	Damaged	Non-Friable	NE
HA-10	Window caulk from wooden window - gray, Building 1	FS-6	MM	Damaged	Friable	1,632 SF
HA-11	Window caulk -gray to white, 3rd Floor, Building 1	FS-7	MM	Damaged	Friable	1,760 SF
HA-12	Electrical board (Cutler Hammer) - gray to white, Building 1	FS-7	MM	Fair	Non-Friable	1 unit
HA-13	Window caulk from wooden window - black, Building 1	FS-8	MM	Damaged	Non-Friable	1,400 SF
HA-14	Ceiling tile - white with holes, Building 1	FS-9	MM	Damaged	Non-Friable	NE
HA-15	Drywall - white with brown backing, Building 1	FS-9	MM	Damaged	Non-Friable	400 SF
HA-16	Electrical wire tape -black, Building 2	FS-10	MM	Good	Non-Friable	2 FT
HA-17	Electrical wire coating -black, Building 2	FS-10	MM	Good	Non-Friable	NE
HA-18	Window caulk - gray, Building 2	FS-10	MM	Damaged	Non-Friable	5,480 SF
HA-19	Electrical board (Square D) - black, Building 2	FS-10	MM	Damaged	Non-Friable	1 unit
HA-20	Electrical board (General Electric) -black, Building 2	FS-10	MM	Damaged	Non-Friable	1 unit
HA-21	Electrical board (Cutter Ham) -gray, Building 2	FS-10	MM	Damaged	Non-Friable	1 unit
HA-22	Electrical board (Square D) - black, Building 2	FS-10	MM	Damaged	Non-Friable	1 unit
HA-23	Roofing material - black shingles, Building 2	FS-11	MM	Damaged	Non-Friable	NE
HA-24	Ceiling material, Subject Building 2	FS-10	MM	Damaged	Non-Friable	51,456 SF
HA-25	Exterior Foam on Windows White with orange inside	FS-11	MM	Damaged	Non-Friable	NE
HA-26	Pink Hard Material Behind Windows building #2	FS-10	MM	Damaged	Non-Friable	NE
HA-27	Flashing Gray tar-like Building 2	FS-11	MM	Good	Non-Friable	NE
HA-28	Paper Under Windows Building 2	FS-10	MM	Damaged	Friable	NE
HA-29	Roofing Shingles interior Building 2	FS-10	MM	Good	Non-Friable	50 SF
HA-30	Tar Between Metal Patch Building #2	FS-10	MM	Good	Non-Friable	25 LF
HA-31	Cement Ceiling Building #1	FS-01	MM	Good	Non-Friable	50,000 SF
HA-32	Caulk at Ceiling Building #1	FS-01	MM	Good	Non-Friable	50,000 LF
HA-33	East Wall cement Exterior Building #1	FS-12	MM	Damaged	Non-Friable	NE

TABLE 1 - HOMOGENEOUS AREA SUMMARY

CLIENT: City of Bay City
PROJECT NO: 3522F
PROJECT NAME: 202 Saginaw Street, Bay City, Michigan

HA No.	Material Description	Location	Material Class	Condition	Friability	Approx. Quantity (sq. ft.)
HA-34	Higher Roofing Material Building #1	FS-12	MM	Damaged	Non-Friable	49,597 SF
HA-35	Shingle Siding Building #1	FS-12	MM	Damaged	Non-Friable	1,500 SF
HA-36	Lower Roof Material Building #1	FS-12	MM	Damaged	Non-Friable	16,760 SF
HA-37	Tar on Metal Border of Roof Building #1	FS-12	MM	Good	Non-Friable	NE

FS = Functional Space
 LF = Linear Feet
 MM = Miscellaneous Material
 NE = Not estimated
 PJ = Pipe Joint

SF = Square Feet
 SM = Surfacing Material
 TSI = Thermal System Insulation
 VFT = Vinyl Floor Tile
BOLD = Indicates asbestos containing materials or assumed ACM

TABLE 2 - FUNCTIONAL SPACE LISTING

CLIENT: City of Bay City
PROJECT NO: 3522F
PROJECT NAME: 202 Saginaw Street, Bay City, Michigan

Functional Space No.	Description	Homogeneous Areas by Functional Space
FS-1	Main Area - Building 1	HA-01, HA-02, HA-03, HA-04, HA-05, HA-31, HA-32
FS-2	Stairwell - Building 1	HA-06
FS-3	Mezzanine #1 - Building 1	HA-07
FS-4	Roof - eastern side of Building 1	HA-08, HA-35, HA-36, HA-37
FS-5	Roof (not including FS - 4) - Building 1	HA-09, HA-34
FS-6	Mezzanine #2 - Building 1	HA-10
FS-7	3rd story - Building 1	HA-11, HA-12
FS-8	Wood framed portion - Building 1	HA-13
FS-9	Storage area - Building 1	HA-14, HA-15
FS-10	Main Area - Building 2	HA-16, HA-17, HA-18, HA-19, HA-20, HA-21, HA-22, HA-24, HA-26, HA-28, HA-29, HA-30
FS-11	Roof - Building 2	HA-23, HA-27
FS-12	Exterior Building 1	HA-24, HA-33,
FS-13	Exterior Building 2	HA-25

Notes:

FS = Functional Space

HA = Homogenous Area

NI = No suspect materials identified

TABLE 3 - BULK SAMPLE MATERIAL INVENTORY

CLIENT: City of Bay City
PROJECT NO: 3522F
PROJECT NAME: 202 Saginaw Street, Bay City, Michigan

HA No.	Material Description	Sample Number	Asbestos Content	Sample Location	Condition	Friability	Approx. Quantity
16	Electrical tape with fibers - black	1a	NAD	FS-10	Good	Non-Friable	2 feet
	Electrical tape with back fibers	1b	NAD	FS-10			
	Electrical tape with back fibers	1c	NAD	FS-10			
17	Electrical wire wrap - black	2a	NAD	FS-10	Good	Non-Friable	NE
	Electrical wire wrap - black	2b	NAD	FS-10			
	Electrical wire wrap - black	2c	NAD	FS-10			
18	Window Caulk - gray, Building 2	3a	NAD	FS-10	Damaged	Friable	5,480 SF
	Window Caulk - gray, Building 2	3b	NAD	FS-10			
	Window Caulk - gray, Building 2	3c	NAD	FS-10			
	Window Caulk - gray, from lift near ceiling	18-01	NAD	FS-10			
	Window Caulk - gray, from lift near ceiling	18-02	Point Counted .5%	FS-10			
19	Window Caulk - gray, from lift near ceiling	18-03	Point Counted Traces <1%	FS-10	Damaged	Non-Friable	1 unit
	Electrical board - black, Square D, Building 2	4a	NAD	FS-10			
	Electrical board - black, Square D, Building 2	4b	NAD	FS-10			
20	Electrical board - black, Square D, Building 2	4c	NAD	FS-10	Damaged	Non-Friable	1 unit
	Electrical board - black, General Electric, Building 2	5a	NAD	FS-10			
	Electrical board - black, General Electric, Building 2	5b	NAD	FS-10			
21	Electrical board - black, General Electric, Building 2	5b	NAD	FS-10	Damaged	Non-Friable	1 unit
	Electrical board - black, Cutter Ham, Building 2	6a	30% Chrysotile	FS-10			
	Electrical board - black, Cutter Ham, Building 2	6b	30% Chrysotile	FS-10			
22	Electrical board - black, Cutter Ham, Building 2	6c	30% Chrysotile	FS-10	Damaged	Non-Friable	1 unit
	Electrical board - black, Square D, Building 2	7a	NAD	FS-10			
	Electrical board - black, Square D, Building 2	7b	NAD	FS-10			
23	Electrical board - black, Square D, Building 2	7c	NAD	FS-10	Damaged	Non-Friable	1 unit
	Roofing material - tar, horsehair, black shingles, Building 2	23-01	5% Chrysotile	FS-11			
	Roofing material - tar, horsehair, black shingles, Building 2	23-02	Assumed ACM	FS-11			
24	Roofing material - tar, horsehair, black shingles, Building 2	23-03	Assumed ACM	FS-11	Damaged	Non-Friable	NE
	Ceiling material, Subject Building 2	24-01	NAD	FS-10	Good	Non-Friable	NE
	Ceiling material, Subject Building 2	24-02	NAD	FS-10	Good	Non-Friable	NE
1	Ceiling material, Subject Building 2	24-03	NAD	FS-10	Good	Non-Friable	NE
	Electrical board - black, Square D, Building 1	8a	NAD	FS-01	Good	Non-Friable	1 unit
	Electrical board - black, Square D, Building 1	8b	NAD	FS-01			
Electrical board - black, Square D, Building 1	8c	NAD	FS-01				
2	Electrical board - black, Cutter Ham, Building 1	9a	NAD	FS-01	Damaged	Non-Friable	1 unit
	Electrical board - black, Cutter Ham, Building 1	9b	NAD	FS-01			
	Electrical board - black, Cutter Ham, Building 1	9c	NAD	FS-01			
3	Window caulk - gray, Building 1	10a	2% Chrysotile	FS-01	Damaged	Friable	31,200 SF
	Window caulk - gray, Building 1	10b	5% Chrysotile	FS-01	Damaged	Friable	
	Window caulk - gray, Building 1	10c	5% Chrysotile	FS-01	Damaged	Friable	
	Window caulk - gray to white, Near Ceiling Also Window Caulk debris which has fallen from the window frames Building 1	11-01	<1% Chrysotile	FS-01	Damaged	Friable	

TABLE 3 - BULK SAMPLE MATERIAL INVENTORY

CLIENT: City of Bay City
PROJECT NO: 3522F
PROJECT NAME: 202 Saginaw Street, Bay City, Michigan

HA No.	Material Description	Sample Number	Asbestos Content	Sample Location	Condition	Friability	Approx. Quantity
3	Window caulk -gray to white, Near Ceiling Also Window Caulk debris which has fallen from the window frames Building 1	11-02	2% Chrysotile	FS-01	Damaged	Friable	
	Window caulk -gray to white, Near Ceiling Also Window Caulk debris which has fallen from the window frames Building 1	11-03	Assumed ACM	FS-01	Damaged	Friable	
4	Ceiling tile board - white, Building 1	11a	NAD	FS-01	Damaged	Friable	20 SF
	Ceiling tile board - white, Building 1	11b	NAD	FS-01			
	Ceiling tile board - white, Building 1	11c	NAD	FS-01			
5	Transite board - gray, Building 1	12a	40% Chrysotile	FS-01	Damaged	Non-Friable	1600 SF
	Transite board - gray, Building 1	12b	40% Chrysotile	FS-01			
	Transite board - gray, Building 1	12c	40% Chrysotile	FS-01			
6	Fire door, Building 1	Assumed	Assumed ACM	FS-02	Good	Non-Friable	2 doors
7	Window caulk - white, Building 1	13a	NAD -Assumed	FS-03	Damaged	Friable	1,880 SF
	Window caulk - white, Building 1	13b	5% Chrysotile	FS-03			
	Window caulk - white, Building 1	13c	5% Chrysotile	FS-03			
8	Roofing material - black and yellow layers, Building 1	14a	NAD	FS-04	Damaged	Non-Friable	16,760 SF
	Roofing material - black and yellow layers, Building 1	14b	NAD	FS-04			
	Roofing material - black and yellow layers, Building 1	14c	NAD	FS-04			
9	Roofing material, black shingles, Building 1	34-01	NAD	FS-05	Damaged	Non-Friable	49,597 SF
	Roofing material, black shingles, Building 1	34-02	NAD	FS-05	Damaged	Non-Friable	49,597 SF
	Roofing material, black shingles, Building 1	34-03	NAD	FS-05	Damaged	Non-Friable	49,597 SF
10	Window caulk from wooden window - gray, Building 1	15a	10% Chrysotile	FS-06	Damaged	Friable	1,632 SF
	Window caulk from wooden window - gray, Building 1	15b	5% Chrysotile	FS-06			
	Window caulk from wooden window - gray, Building 1	15c	10% Chrysotile	FS-06			
11	Window caulk -gray to white, 3rd Floor, Building 1	16a	5% Chrysotile	FS-07	Good	Friable	1,760 SF
	Window caulk -gray to white, 3rd Floor, Building 1	16b	2% Chrysotile	FS-07			
	Window caulk -gray to white, 3rd Floor, Building 1	16c	2% Chrysotile	FS-07			
13	Window caulk from wooden window - black, Building 1	17a	NAD	FS-08	Damaged	Friable	1,400 SF
	Window caulk from wooden window - black, Building 1	17b	NAD	FS-08			
	Window caulk from wooden window - black, Building 1	17c	NAD	FS-08			
12	Electrical board (Cutler Hammer) - gray to white, Building 1	18a	40% Chrysotile	FS-07	Damaged	Non-Friable	1 unit
	Electrical board (Cutler Hammer) - gray to white, Building 1	18b	40% Chrysotile	FS-07			
	Electrical board (Cutler Hammer) - gray to white, Building 1	18c	40% Chrysotile	FS-07			
14	Ceiling tile - white with holes, Building 1	19a	NAD	FS-09	Damaged	Friable	1400SF
	Ceiling tile - white with holes, Building 1	19b	NAD	FS-09			
	Ceiling tile - white with holes, Building 1	19c	NAD	FS-09			
15	Drywall - white with brown backing, Building 1	20a	NAD	FS-09	Damaged	Non-Friable	2SF
	Drywall - white with brown backing, Building 1	20b	NAD	FS-09			
	Drywall - white with brown backing, Building 1	20c	NAD	FS-09			
25	Exterior Foam on Windows White with orange inside Building #2	25-01	NAD	FS-13	Damaged	Non-Friable	NE
	Exterior Foam on Windows White with orange inside Building #2	25-02	NAD	FS-13	Damaged	Non-Friable	
	Exterior Foam on Windows White with orange inside Building #2	25-03	NAD	FS-13	Damaged	Non-Friable	
26	Pink Hard Material Behind Windows Building 2	26-01	NAD	FS-10	Damaged	Non-Friable	NE

TABLE 3 - BULK SAMPLE MATERIAL INVENTORY

CLIENT: City of Bay City
PROJECT NO: 3522F
PROJECT NAME: 202 Saginaw Street, Bay City, Michigan

HA No.	Material Description	Sample Number	Asbestos Content	Sample Location	Condition	Friability	Approx. Quantity
27	Flashing on Roof Gray/ tar-like Building 2	27-01	10% Chrysotile	FS-11	Good	Friable	NE
	Flashing on Roof Gray/ tar-like Building 2	27-02	Assumed ACM	FS-11	Good	Friable	
	Flashing on Roof Gray/ tar-like Building 2	27-03	Assumed ACM	FS-11	Good	Friable	
28	Paper Under Windows Building 2	28-01	NAD	FS-10	Damaged	Friable	NE
29	Roofing Shingles interior Building 2	29-01	NAD	FS-10	Good	Non-Friable	50 SF
30	Tar Between Metal Patch Building #2	30-01	15% Chrysotile	FS-10	Good	Non-Friable	25 LF
31	Cement Ceiling Building #1	31-01	NAD	FS-01	Good	Non-Friable	50,000 SF
32	Caulk at Ceiling Building #1	32-01	NAD	FS-01	Good	Non-Friable	50,000 LF
	Caulk at Ceiling Building #1	32-02	NAD	FS-01	Good	Non-Friable	
	Caulk at Ceiling Building #1	32-03	NAD	FS-01	Good	Non-Friable	
33	East Wall cement Exterior Building #1	33-01	NAD	FS-12	Damaged	Non-Friable	NE
34	Higher Roofing Material Building #1	34-01	NAD	FS-5	Damaged	Non-Friable	49,597 SF
	Higher Roofing Material Building #1	34-02	NAD	FS-5	Damaged	Non-Friable	
	Higher Roofing Material Building #1	34-03	NAD	FS-5	Damaged	Non-Friable	
35	Shingle Siding Building #1	35-01	NAD	FS-4	Damaged	Non-Friable	1,500 SF
	Shingle Siding Building #1	35-02	NAD	FS-4	Damaged	Non-Friable	
	Shingle Siding Building #1	35-03	NAD	FS-4	Damaged	Non-Friable	
36	Lower Roof Material Building #1	36-01	25% Chrysotile	FS-4	Damaged	Non-Friable	16,760 SF
	Lower Roof Material Building #1	36-02	Assumed ACM	FS-4	Damaged	Non-Friable	
	Lower Roof Material Building #1	36-03	Assumed ACM	FS-4	Damaged	Non-Friable	
37	Tar on Metal Border of Roof Building #1	37-01	NAD	FS-4	Good	Non-Friable	NE
	Tar on Metal Border of Roof Building #1	37-02	NAD	FS-4	Good	Non-Friable	
	Tar on Metal Border of Roof Building #1	37-03	NAD	FS-4	Good	Non-Friable	

Notes:

FS = Functional Space
LF = Linear Feet
NA = Not Analyzed
NAD = No Asbestos Detected
NE = Not estimated
N/A = Not Applicable
NS = Not Sampled

PJ = Pipe Joint
SF = Square Feet
TSI = Thermal Insulation System
VFT = Vinyl Floor Tile
NI = No suspect materials identified

TABLE 4 - SUMMARY OF OTHER POTENTIALLY HAZARDOUS MATERIALS

Location	Number of Containers	Description of Container	Comments
Building 1 Northwest portion	4	55-gallon Drums	Suspected to contain oil. One drum not accessed. Analytical results of composite samples including in Appendix D.
Building 1 Throughout	N/A	Wood Block Flooring	Analytical results of random sample including in Appendix D.

TABLE 5 - SUMMARY OF POTENTIAL PCB AND MERCURY EQUIPMENT

Location	Suspect Light Fixtures (ballasts)	Suspect Mercury or High Pressure Bulbs	Mercury Thermostat Switches
Building 1 Throughout	Estimated 12	Estimated 202	-
Building 2 Throughout	Estimated 14	Estimated 109	-

Appendix C

Asbestos Laboratory Report and Chain of Custody

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
 E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless Env SICS
 Address: 214 James Ave
 City, St., Zip: Southfield, MI 48067
 Phone: 984-754-9896 Fax: 984-754-3864

Date of Survey: 7-28-09
 Project: 3522F
 Project #:

Contact Person: Jim Bannorek - Waller

Davdreuj@aktperless.com

Turn Around Times: (Circle One)

Rush 24 hour
 48 hour 72 hour
 Other: TTP

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____
 Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____
 TEM: AHERA 7400 _____ Bulk/NOB _____ EPA Level II _____

Lab Use Only
 Log-in _____
 Report _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
27578 1	1a	Electrical tape w/ fibers - Black		Biog C	NAD
2	1b	"			
3	1c	"			
4	2a	Electrical wire wrap - Black			
5	2b	"			
6	2c	"			
7	3a	Window caulking - gray Biog C			
8	3b	"			
9	3c	"			
10	4a	Electric Panel - Black - 5 ft - D			
11	4b	"			NAD

Relinquished by: SPW Received by: AKT Peerless Env SICS Received by: S. Tracy
 Date: 7/28/09 Date: 7/29/09 Date: 7-30-09 11am

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
 E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless Env. Svcs
 Address: 214 Janned Ave
 City, St., Zip: Saginaw, MI 48607
 Phone: 989-754-9990 Fax: 989-754-3004

Date of Survey: 7/28/09
 Project: 3522F
 Project #: _____
 Contact Person: Bill Badolacci-Walsh

Lab Use Only
 Log-in _____
 Report _____

Turn Around Times: (Circle One)
 24 hour
 48 hour
 TTP

Asbestos: Bulk Wipe Point Count PCM
 Lead: Bulk Wipe Air Paint Soil
 Mold: Bulk Tape BioSIS Other Viable
 TEM: AHERA 7400 Bulk/NOB EPA Level II

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
12	4C	" "	Bldg - C		NAD
13	5a	Electrical Board - Black-Gre			↓
14	5b	" "			↓
15	5c	" "			NAD
16	6a	Electrical Board - Gray-Cutter			chrysothile 30%
17	6b	" "			chrysothile 30%
18	6c	" "			chrysothile 30%
19	7a	Electrical Board - Black-Seq. D			NAD
20	7b	" "			↓
21	7c	" "	↓		↓
22	8a	Electrical Board - Black-Seq. O-	Bldg A.		NAD

Relinquished by: SBW Received by: AKT Peerless Env Svcs
 Date: 7/29/09 Date: 7/29/09
 Relinquished by: AKT Peerless Env Svcs Received by: S. D. Perry
 Date: 7/29/09 Date: 7/29/09

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
 E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT PERISHES CAN. SCS.
 Address: 214 JAMES AVE
 City, St., Zip: SARASOTA MI 34237
 Phone: 941-549-9916 Fax: _____

Date of Survey: 7/28/09
 Project: 3522F
 Project #: _____
 Contact Person: Jill Buckner-Wallen

Lab Use Only
 Log-In _____
 Report _____

Turn Around Times: (Circle One)

Rush 24 hour

48 hour 72 hour

Other: _____ TTP _____

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____
 Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____
 TEM: AHERA 7400 Bulk/NOB _____ EPA Level II _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
23	9b	" "		Bldg A	NAD
24	9c	" "			
25	9a	Electrical Panel - Black - Cutler			
26	9b	" "			
27	9c	" "			
28	10a	Window Cement - Gray			NAD
29	10b	" "			Chrysotile 2%
30	10c	" "			Chrysotile 5%
31	11a	Ceiling tile Board - white			Chrysotile 5%
32	11b	" "			NAD
33	11c	" "			NAD

Relinquished by: BSW Received by: AKT Perishes
 Date: 7/28/09 Date: 7/28/09

Relinquished by: AKT Perishes Received by: S. Trivette
 Date: 7/29/09 Date: 7/30/09 11am

APEX-316

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
 E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless Env. Svcs
 Address: 214 Sunset Ave
 City, St., Zip: Southfield, MI 48067
 Phone: 981-54-9896 Fax: 981-54-3804

Date of Survey: 7/29/09
 Project: 3522F
 Project #: _____
 Contact Person: Silv Bouchonniere-Wendler

Lab Use Only
 Log-In _____
 Report _____

Turn Around Times: (Circle One)

Rush 24 hour
 48 hour (circled)
 Other: _____

Asbestos: Bulk (circled) Wipe _____ Point Count _____ PCM _____
 Lead: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____
 Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____
 TEM: AHERA 7400 Bulk/NOB _____ EPA Level II _____

TTP _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
34	12a	Transfer Board - Brown/Black		Bldg A	Chrysolite 40%
35	12b	"			Chrysolite 40%
36	12c	"			Chrysolite 40%
37	13a	Window Caulk - White			NAD
38	13a	"			no sample
39	13b	"			Chrysolite 5%
40	13c	"			Chrysolite 5%
41	14a	Roof National Black + Yellow			NAD / NAD
42	14b	"			↓
43	14c	"			NAD / NAD
44	15a	Window Caulk - Wood Window - Gray			Chrysolite 10%

Mixing

Relinquished by: SPW Received by: AKT Peerless Env. Svcs
 Date: 7/29/09 Date: 7/30/09 11:54am

4/6

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
 E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless Env. Svcs.
 Address: 214 James Ave
 City, St., Zip: Saginaw MI 48107
 Phone: 989-751-8896 Fax: 989-754-3804

Date of Survey: 7/29/09
 Project: 3522F
 Project #: _____
 Contact Person: Sam Blomrose-Walker

Lab Use Only
 Log-In _____
 Report _____

Turn Around Times: (Circle One)

Rush 24 hour

48 hour 72 hour

Other: _____ TTP _____

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____

Lead: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____

Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____

TEM: AHERA 7400 Bulk/NOB _____ EPA Level II _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
45	15D	" "		Bldg #	chrysothale 5%
46	15C	" "			chrysothale 10%
47	16a	Window crank-gray-3rd fl			chrysothale 5%
48	16b	" "			chrysothale 2%
49	16c	" "			chrysothale 2%
50	17a	Wood window crank-Blank 3rd fl			NAD
51	17b	" "			NAD
52	17c	" "			NAD
53	18a	Electrical Board-White			chrysothale 40%
54	18b	" "			chrysothale 40%
55	18c	" "			chrysothale 40%

Relinquished by: AKT Peerless Received by: S. Tierney
 Date: 7/29/09 Date: 7-30-09/epm

DLB



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 01 Cust. #: 1a Material: Electrical Tape Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 27518 - 02 Cust. #: 1b Material: Electrical Tape Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 27518 - 03 Cust. #: 1c Material: Electrical Tape Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 04 Cust. #: 2a Material: Electrical Wire Wrap Location: Bldg. C Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 27518 - 05 Cust. #: 2b Material: Electrical Wire Wrap Location: Bldg. C Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 27518 - 06 Cust. #: 2c Material: Electrical Wire Wrap Location: Bldg. C Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 07 Cust. #: 3a Material: Window Caulk-Gray Location: Bldg. C Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 08 Cust. #: 3b Material: Window Caulk-Gray Location: Bldg. C Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 09 Cust. #: 3c Material: Window Caulk-Gray Location: Bldg. C Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 10 Cust. #: 4a Material: Electric Board-Black Sq. Location: Bldg. C Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 11 Cust. #: 4b Material: Electric Board-Black Sq. Location: Bldg. C Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 12 Cust. #: 4c Material: Electric Board-Black Sq. Location: Bldg. C Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 13 Cust. #: 5a Material: Electrical Board-Black GE Location: Bldg. C Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 27518 - 14 Cust. #: 5b Material: Electrical Board-Black GE Location: Bldg. C Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 27518 - 15 Cust. #: 5c Material: Electrical Board-Black GE Location: Bldg. C Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 16 Cust. #: 6a Material: Electrical Board-Gray Cutter Hair Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 30%	Other - 70%
Lab ID #: 27518 - 17 Cust. #: 6b Material: Electrical Board-Gray Cutter Hair Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 30%	Other - 70%
Lab ID #: 27518 - 18 Cust. #: 6c Material: Electrical Board-Gray Cutter Hair Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 30%	Other - 70%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 19 Cust. #: 7a Material: Electrical Board-Black Sq.D Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 27518 - 20 Cust. #: 7b Material: Electrical Board-Gray Cutter Hair Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 27518 - 21 Cust. #: 7c Material: Electrical Board-Black Sq.D Location: Bldg. C Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 22 Cust. #: 8a Material: Electrical Board-Black Sq. D Location: Bldg. A Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 27518 - 23 Cust. #: 8b Material: Electrical Board-Black Sq D Location: Bldg. A Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 27518 - 24 Cust. #: 8c Material: Electrical Board-Black Sq. D Location: Bldg. A Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 25 Cust. #: 9a Material: Electrical Board-Black Cutter Hair Location: Bldg. A Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 27518 - 26 Cust. #: 9b Material: Electrical Board-Black-Cutter Hair Location: Bldg. A Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 27518 - 27 Cust. #: 9c Material: Electrical Board-Black-Cutter Hair Location: Bldg. A Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 28 Cust. #: 10a Material: Window Caulk-Gray Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2%	Other - 98%
Lab ID #: 27518 - 29 Cust. #: 10b Material: Window Caulk-Gray Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 27518 - 30 Cust. #: 10c Material: Window Caulk-Gray Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 31 Cust. #: 11a Material: Ceiling Tile Board Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 20% Other - 80%
Lab ID #: 27518 - 32 Cust. #: 11b Material: Ceiling Tile Board Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 20% Other - 80%
Lab ID #: 27518 - 33 Cust. #: 11c Material: Ceiling Tile Board Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 34 Cust. #: 12a Material: Transite Board-Brn/Black Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%
Lab ID #: 27518 - 35 Cust. #: 12b Material: Transite Board-Brn/Black Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%
Lab ID #: 27518 - 36 Cust. #: 12c Material: Transite Board-Brn/Black Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 37 Cust. #: 13a Material: Window Caulk-White Location: Bldg. A Appearance: beige, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 38 Cust. #: 13a Material: Window Caulk Location: Bldg. A Appearance: Layer: of	Asbestos Present: NO SAMPLE RECEIVED	
Lab ID #: 27518 - 39 Cust. #: 13b Material: Window Caulk-White Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 40 Cust. #: 13c Material: Window Caulk-White Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 27518 - 41 Cust. #: 14a Material: Roof Material Location: Bldg. A Appearance: yellow, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 41a Cust. #: 14a Material: Roof Material Location: Bldg. A Appearance: black, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 42 Cust. #: 14b Material: Roof Material Location: Bldg. A Appearance: orange, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 42a Cust. #: 14b Material: Coating Location: Bldg. A Appearance: black, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 43 Cust. #: 14c Material: Roof Material Location: Bldg. A Appearance: yellow, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 43a Cust. #: 14c Material: Coating Location: Bldg. A Appearance: black, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 44 Cust. #: 15a Material: Window Caulk-Wood Window Location: Bldg. A Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 27518 - 45 Cust. #: 15b Material: Window Caulk-Wood Window Location: Bldg. A Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 46 Cust. #: 15c Material: Window Caulk-Wood Window Location: Bldg. A Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 27518 - 47 Cust. #: 16a Material: Window Caulk-Gray Location: 3rd FL Bldg. A Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 27518 - 48 Cust. #: 16b Material: Window Caulk-Gray Location: 3rd FL Bldg. A Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2%	Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 49 Cust. #: 16c Material: Window Caulk-Gray Location: 3rd FL Bldg. A Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2%	Other - 98%
Lab ID #: 27518 - 50 Cust. #: 17a Material: Wood Window Caulk Location: Stat Bldg., Bldg. A Appearance: beige, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 51 Cust. #: 17b Material: Wood Window Caulk Location: Stat Bldg., Bldg. A Appearance: beige, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 52 Cust. #: 17c Material: Wood Window Caulk Location: Stat Bldg., Bldg. A Appearance: beige, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27518 - 53 Cust. #: 18a Material: Electrical Board-White Location: Cutter Hair Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%
Lab ID #: 27518 - 54 Cust. #: 18b Material: Electrical Board-White Location: Cutter Hair Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 55 Cust. #: 18c Material: Electrical Board-White Location: Cutter Hair Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%
Lab ID #: 27518 - 56 Cust. #: 19a Material: Ceiling Tile-White Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 27518 - 57 Cust. #: 19b Material: Ceiling Tile-White Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%

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 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 58 Cust. #: 19c Material: Ceiling Tile-White Location: Bldg. A Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 27518 - 59 Cust. #: 20a Material: Drywall Location: Bldg. A Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 27518 - 59a Cust. #: 20a Material: Backing Location: Bldg. A Appearance: brown, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:
 Ms. Jill Boudreau-Wallaker
 AKT Peerless Env. Svs.
 214 Janes Ave.
 Saginaw, MI 48607

ARI Report # 09-27518
 Date Collected: 07/28/09
 Date Received: 07/30/09
 Date Analyzed: 08/03/09
 Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 60 Cust. #: 20b Material: Drywall Location: Bldg. A Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 27518 - 60a Cust. #: 20b Material: Backing Location: Bldg. A Appearance: brown, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 27518 - 61 Cust. #: 20c Material: Drywall Location: Bldg. A Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 3522F

Report To:

Ms. Jill Boudreau-Wallaker
AKT Peerless Env. Svs.
214 Janes Ave.
Saginaw, MI 48607

ARI Report # 09-27518
Date Collected: 07/28/09
Date Received: 07/30/09
Date Analyzed: 08/03/09
Date Reported: 08/03/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27518 - 61a Cust. #: 20c Material: Backing Location: Bldg. A Appearance: brown, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless
Address: 214 Jane Avenue
City, St., Zip: Saginaw, MI 48607
Phone: 989 754-9896 Fax: 989 754-3804

Date of Survey: 8-26-09
Project: Former Brownhoist
Project #: 3522F-5-199
Contact Person: Don Malusi

Turn Around Times: (Circle One)

24 hour

48 hour

72 hour

Other: TTP

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
Lead: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____
Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____
TEM: AHERA 7400 Bulk/NOB _____ EPA Level II

Lab Use Only
Log-in _____
Report _____

Storage first positive

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
27855-1	HA 23-01	Roof Bldg 2 East side South			Chry - 5%
2	23-02	Roof Bldg 2 South Center			N/A
3	23-03	Roof Bldg 2 North West			N/A
4	24-01	Ceiling Bldg 2 NW Corner			NAD
5	24-02	" " " Center			↓
6	24-03	" " " SE Corner			↓
7	18-01	Caulk from lift NW Corner			↓
8	18-02	" " " Center			Chry - < 1%
9	18-03	" " " SE Corner			Chry - < 1%
10	25-01	Foam window Exterior			NAD
11	25-02				11

Relinquished by: Don Malusi Received by: S. Trukey
Date: 9-26-09 7:20 AM Date: 8-21-09 9:50

Relinquished by: _____ Received by: _____
Date: _____ Date: _____

Rev 12/03
Work Form: COC

APEX RESEARCH

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990

E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Lab Use Only
Log-In _____
Report _____

Client Name: AKI Peerkess Date of Survey: 8-26-09
Address: _____ Project: _____
City, St., Zip: Saginaw, MI Project #: 35525194
Phone: 248 477-6016 Fax: _____ Contact Person: Don Malosi

Turn Around Times: (Circle One) Stop at first positive
Asbestos: Bulk Wipe _____ Point Count _____ FCM _____
Lead: Bulk _____ Wipes _____ Air _____ Paint _____ Soil _____
Mold: Bulk _____ Tape _____ Biosis _____ Other _____ Viable _____



24 hour

72 hour

Other: TYP Bulk/NOB _____ EPA Level II _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
27855-12	25-03	Farm Exterior DN window Bldg 2			NAD
13	26-01	Pink Hard Plastics/Behind doors Bldg 2			"
14	27-01	Flashing to roof/tee like Bldg 2			Chry-10%
15	27-02	" " " "			N/A
16	27-03	" " " "			N/A
17	28-01	Paper Under windows S&E Bldg 2			NAD
18	29-01	Roofing Bldg 2			"
19	30-01	Tar between Metal patches			Chry-15%
20	31-01	Cement Ceiling SIP			NAD
21	11-01	Caulk from list Bldg 1			Chry-<1%
22	11-02	" "			Chry-2%

Relinquished by Donally Malosi Received by: S. Tracey
Date: 9-26-09 7:00 PM Date: 8-27-09 9:30 AM

RECEIVED
Relinquished by _____
Date: _____

Received by: _____
Date: _____

Rev: 12/03
Work Form: COC

APEX RESEARCH

P. 417

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless Date of Survey: 8-26-09
Address: 214 Jones Avenue Project: Former Brown hoist
City, St., Zip: Saginaw, MI 48607 Project #: 3522F-5-194
Phone: 989 754-9896 Fax: 989 754-3804 Contact Person: Don Malosi/Ryno Londigran

Turn Around Times: (Circle One)

24 hour 48 hour 72 hour
Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
Lead: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____
Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____
Other: _____ TTP _____ Bulk/NOB _____ EPA Level II _____

Lab Use Only
Log-in _____
Report _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
27855-23	11-03	Caulk windows front Bldg			N/A
24	32-1	Caulk at Ceiling Bldg 1			NAD
25	32-2	" "			
26	32-3	" "			
27	33-1	East wall Cement Exterior Bldg 1			
28	34-1	Roofing Materials East wall Bldg 1			
29	34-2	" "			
30	34-3	" "			
31	14-1	Shingle Siding North part South side			
32	14-2	" "			
33	14-3	" "			

Relinquished by: Don Malosi received by: S. Tracey
Date: 8-26-09 7:20 PM Date: 8-26-09 9:30 AM

Relinquished by: RECEIVED Received by: _____
Date: AUG 27 2009 Date: _____

Rev: 12/03
Work Form: COC

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p 4/4

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Client Name: AKT Peerless
Address: 214 Jones Avenue
City, St., Zip: Saginaw, MI 48607
Phone: 989 754-9896 Fax: 989 754-3804

Date of Survey: 8-26-09
Project: Former Brown hoist
Project #: 3522F-5-194
Contact Person: Don Malusi / Ryan Londrigan
Stop at first positive

Turn Around Times: (Circle One)

Rush 24 hour 48 hour 72 hour Other: TTP
Asbestos: Bulk Wipe Point Count PCM
Lead: Bulk Wipe Air Paint Soil
Mold: Bulk Tape BioSIS Other Viable
TEM: AHERA 7400 Bulk/NOB EPA Level II

Labr Use Only
Log-In _____
Report _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
27855-34	15-1	Lower Part Roof Material			CHRY-25%
35	15-2	" "			N/A
36	15-3	" "			N/A
37	16-1	Tar on Metal Roof Bldg			NAD
38	16-2	" "			
39	16-3	" "			↓

Relinquished by: Donald Z Malusi Received by: S. Tracey
Date: 8-26-09 7:00 PM Date: 8-27-09 9:30 AM

Relinquished by: RECEIVED Received by: _____
Date: 8-27-09 Date: _____

Rev: 12/03
Work Form: COC

APEX RESEARCH



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
Project # 3522F-5-194

Report To:
Mr. Don Malusi
AKT Peerless
214 Jane Ave.
Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 01 Cust. #: HA 23-01 Material: Roof Location: Bldg. 2, East Side South Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Fiberglass - 25% Other - 70%
Lab ID #: 27855 - 02 Cust. #: HA 23-02 Material: Roof Location: Bldg. 2, South Center Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 27855 - 03 Cust. #: HA 23-03 Material: Roof Location: Bldg. 2, North West Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
Project # 3522F-5-194

Report To:
Mr. Don Malusi
AKT Peerless
214 Jane Ave.
Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 04 Cust. #: HA 24-01 Material: Ceiling Location: Bldg. 2, NW Corner Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 05 Cust. #: HA 24-02 Material: Ceiling Location: Bldg. 2, Center Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 06 Cust. #: HA 24-03 Material: Ceiling Location: Bldg. 2, SE Corner Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 07 Cust. #: HA 18-01 Material: Caulk From Lift Location: NW Corner Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 08 Cust. #: HA 18-02 Material: Caulk From Lift Location: Center Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 27855 - 09 Cust. #: HA 1803 Material: Caulk From Lift Location: SE Corner Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
Project # 3522F-5-194

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Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 10 Cust. #: HA 25-01 Material: Foam Location: On Window - Exterior Appearance: yellow, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 11 Cust. #: HA 25-02 Material: Foam Location: On Window - Exterior Appearance: yellow, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 12 Cust. #: HA 25-03 Material: Foam Location: On Window - Exterior Appearance: yellow, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 13 Cust. #: HA 26-01 Material: Pink Hard Material Location: Behind Windows, Bldg. 2 Appearance: brown, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 14 Cust. #: HA 27-01 Material: Flashing Location: Bldg. 2 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 27855 - 15 Cust. #: HA 27-02 Material: Flashing Location: Bldg 2 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Robert T. Letarte Jr., Laboratory Director

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Project # 3522F-5-194

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214 Jane Ave.
Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 16 Cust. #: HA 27-03 Material: Flashing Location: Bldg. 2 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 27855 - 17 Cust. #: HA 28-01 Material: Paper Location: Under Windows, SE Corner, Bldg. 2 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 27855 - 18 Cust. #: HA 29-01 Material: Roofing Location: Bldg. 2 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

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ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 19 Cust. #: HA 30-01 Material: Tar Location: Between Metal Patch/Bldg. 2 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 15%	Other - 85%
Lab ID #: 27855 - 20 Cust. #: HA 31-01 Material: Cement Ceiling Location: Bldg. 1 Appearance: brown, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 21 Cust. #: HA 11-01 Material: Caulk from Lift Location: Bldg. 1 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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ARI Report # 09-27855
Date Collected: 08/26/09
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Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 22 Cust. #: HA 11-02 Material: Caulk From Lift Location: Bldg. 1 Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2%	Other - 98%
Lab ID #: 27855 - 23 Cust. #: HA 11-03 Material: Caulk From Lift Location: Bldg. 1 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 27855 - 24 Cust. #: HA 32-1 Material: Caulk at Ceiling Location: Bldg. 1 Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 25 Cust. #: HA 32-2 Material: Caulk at Ceiling Location: Bldg. 1 Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 26 Cust. #: HA 32-3 Material: Caulk at Ceiling Location: Bldg. 1 Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 27855 - 27 Cust. #: HA 33-1 Material: Cement Location: E. Wall, Exterior, Bldg. 1 Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project: Former Brown Hoist
Project # 3522F-5-194

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Saginaw, MI 48607

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Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 28 Cust. #: HA 34-1 Material: Roofing Material (Higher) Location: E. Wall Bldg. 1 Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 27855 - 29 Cust. #: HA 34-2 Material: Roofing Material (Higher) Location: E. Wall, Bldg. 1 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%
Lab ID #: 27855 - 30 Cust. #: HA 34-3 Material: Roofing Material (Higher) Location: E. Wall, Bldg. 1 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Other - 75%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
Project # 3522F-5-194

Report To:
Mr. Don Malusi
AKT Peerless
214 Jane Ave.
Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 31 Cust. #: HA 14-1 Material: Shingle Siding Location: North Part, South Side Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Other - 75%
Lab ID #: 27855 - 32 Cust. #: HA 14-2 Material: Shingle Siding Location: North Part, South Side Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 27855 - 33 Cust. #: HA 14-3 Material: Shingle Siding Location: North Part, South Side Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
Project # 3522F-5-194

Report To:
Mr. Don Malusi
AKT Peerless
214 Jane Ave.
Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 34 Cust. #: HA 15-1 Material: Roof Material Location: Lower Part Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 25%	Cellulose - 10% Other - 65%
Lab ID #: 27855 - 35 Cust. #: HA 15-2 Material: Roof Material Location: Lower Part Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 27855 - 36 Cust. #: HA 15-3 Material: Roof Material Location: Lower Part Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
Project # 3522F-5-194

Report To:
Mr. Don Malusi
AKT Peerless
214 Jane Ave.
Saginaw, MI 48607

ARI Report # 09-27855
Date Collected: 08/26/09
Date Received: 08/27/09
Date Analyzed: 08/27/09
Date Reported: 08/27/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 37 Cust. #: HA 16-1 Material: Tar on Metal Roof Location: Bldg. 1 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 27855 - 38 Cust. #: HA 16-2 Material: Tar on Metal Roof Location: Bldg. 1 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 27855 - 39 Cust. #: HA 16-3 Material: Tar on Metal Roof Location: Bldg. 1 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

P. 1/4



APEX Research, Inc. 11054 Hi Tech Drive, Whiteoak Lake, MI 48110 Phone: 734-449-9990
 E-mail: apexresearch@earthlink.net Fax: 734-449-9991

Lab Use Only
 Length _____
 Report _____

Date of Survey: 8-26-09
 Project: Former Braconit
 Project #: 3523F-5-199
 Contact Person: Don Malusi
5 for at first positive

Client Name: AKT Peerless
 Address: 214 Jane Avenue
 City, St., Zip: Saginaw, MI 48607
 Phone: 989 754-9992 Fax: 989 754-3904

Turn Around Times: (Circle One)
 Adhesives: Bulk Wipe _____ Point Count _____ PCM _____
 Leads: Bulk _____ Wipe _____ Air _____ Paint _____ Soil _____
 Molds: Bulk _____ Tape _____ Biosis _____ Other _____ Viable _____
 48 hours _____ 72 hours _____
 Other: _____ TYP _____ EPA Level II _____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
27855-1	HA 23-01	Roof Bldg 2 East Side South			CHRY-5%
2	23-02	Roof Bldg 2 South Center			N/A
3	23-03	Roof Bldg 2 North West			N/A
4	24-01	Ceiling Bldg 2 NW Corner			N/A
5	24-02	" " " " Center			
6	24-03	" " " " SE Corner			
7	19-01	Conk for lift NW Corner 11/2			CHRY-5/1%
8	19-02	" " " " Center			CHRY-5/1%
9	18-03	" " " " SE Corner			N/A
10	25-01	FOAM WIND EXPOSE			
11	25-02				

Received by: _____ Date: _____
 Date: 8-26-09 7:20 AM
 Date: 8-24-09 9:00 AM
 RECEIVED
 Date: _____
 Date: _____
 APEX RESEARCH

Point Count
 18-02-18-03
 20-18-03
 60-18-03
 90-18-03

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Former Brown Hoist
 Project # 3522F-5-194
 Supplemental Report

Report To:
 Mr. Don Malusi
 AKT Peerless
 24 Jane Ave.
 Saginaw, MI 48607

ARI Report # 09-27855
 Date Collected: 08/26/09
 Date Received: 08/27/09
 Date Analyzed: 08/31/09
 Date Reported: 08/31/09

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 27855 - 01 Cust. #: 18-02 Material: Caulk Location: Lift - Center Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - 0.5% POINT COUNT RESULT	Other - 99.5%
Lab ID #: 27855 - 02 Cust. #: 18-03 Material: Caulk Location: Lift - SE Corner Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT	Other - 100%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

 Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-83/118 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Appendix D

**Limited Waste Characterization Laboratory Analytical Results
and Chain of Custody**



Monday, August 10, 2009

Fibertec Project Number: 35276
Project Identification: Water St./3522F
Submittal Date: 7/31/2009

Mr. Sean Robinson
AKT Peerless Environ. Svcs, Inc. - Saginaw
214 South Janes Ave.
Saginaw, MI 48607

Dear Mr. Robinson,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed by NELAC compliant methodologies and the results compiled in the attached report. Any exceptions to compliance are noted in the report. These results apply only to those samples submitted.

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. Please note samples will be disposed of 30 days after reporting date.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl P. Strandbergh".

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Other (Solid)
Fibertec Project Number:	35276	Sample Number:	35276-001

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Wood Floor/Floor Sample
Project Number:	3522F	Client Sample Number:	WF
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

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. 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
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1221	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1232	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1242	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1248	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1254	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1260	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1262	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Aroclor-1268	U	µg/kg	5000	15	PS09H05C	8/5/2009	8/5/2009	BDA
Creosote by GC/MS (EPA 3550B/EPA 8270C)								
4-Chloro-3-methylphenol	U	µg/kg	42000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2-Chlorophenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2,4-Dichlorophenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2,4-Dimethylphenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2,4-Dinitrophenol	U	µg/kg	120000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2-Methyl-4,6-dinitrophenol	U	µg/kg	120000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2-Methylphenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
3&4-Methylphenol	U	µg/kg	99000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2-Nitrophenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
4-Nitrophenol	U	µg/kg	120000	150	PS09H05C	8/5/2009	8/5/2009	HLS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Other (Solid)
Fibertec Project Number:	35276	Sample Number:	35276-001

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Wood Floor/Floor Sample
Project Number:	3522F	Client Sample Number:	WF
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

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. 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
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Creosote by GC/MS (EPA 3550B/EPA 8270C)

Pentachlorophenol	U	µg/kg	120000	150	PS09H05C	8/5/2009	8/5/2009	HLS
Phenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2,4,5-Trichlorophenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS
2,4,6-Trichlorophenol	U	µg/kg	50000	150	PS09H05C	8/5/2009	8/5/2009	HLS

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Acenaphthylene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Anthracene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Benzo(a)anthracene	21000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Benzo(a)pyrene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Benzo(b)fluoranthene	39000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Benzo(ghi)perylene	14000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Benzo(k)fluoranthene	12000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Chrysene	47000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Dibenzo(a,h)anthracene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Fluoranthene	110000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Fluorene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Indeno(1,2,3-cd)pyrene	15000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
2-Methylnaphthalene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Naphthalene	U	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Other (Solid)
Fibertec Project Number:	35276	Sample Number:	35276-001

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Wood Floor/Floor Sample
Project Number:	3522F	Client Sample Number:	WF
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Phenanthrene	97000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS
Pyrene	88000	µg/kg	10000	30.3	PS09H05C	8/5/2009	8/5/2009	HLS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-002

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D1
Project Number:	3522F	Client Sample Number:	D1
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
RCRA Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	U	mg/kg	0.10	1	PT09H04D	8/4/2009	8/4/2009	MAP
Barium	U	mg/kg	1.0	1	PT09H04D	8/4/2009	8/4/2009	MAP
Cadmium	U	mg/kg	0.050	1	PT09H04D	8/4/2009	8/4/2009	MAP
Chromium	0.59	mg/kg	0.50	1	PT09H04D	8/4/2009	8/4/2009	MAP
Lead	U	mg/kg	1.0	1	PT09H04D	8/4/2009	8/4/2009	MAP
Selenium	U	mg/kg	0.20	1	PT09H04D	8/4/2009	8/4/2009	MAP
Silver	U	mg/kg	0.10	1	PT09H04D	8/4/2009	8/4/2009	MAP
Mercury by CVAAS (EPA 7471A)								
Mercury	U	mg/kg	0.10	1	PM09H06D	8/6/2009	8/6/2009	JLH
Polychlorinated Biphenyls (PCBs) (EPA 3580A/EPA 8082)								
Aroclor-1016	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1221	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1232	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1242	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1248	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1254	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1260	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1262	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1268	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-002A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D1
Project Number:	3522F	Client Sample Number:	D1
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

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. 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
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

Acetone	3700	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Acrylonitrile	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Benzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromochloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromodichloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromoform	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromomethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Butanone	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
n-Butylbenzene	1000	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
sec-Butylbenzene	220	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
tert-Butylbenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Carbon Disulfide	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Carbon Tetrachloride	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chloroform	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Chlorotoluene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Dibromochloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-002A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D1
Project Number:	3522F	Client Sample Number:	D1
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

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. 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
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

1,2-Dibromo-3-chloropropane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Dibromomethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Dichlorodifluoromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1-Dichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2-Dichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1-Dichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2-Dichloropropane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Ethylbenzene	1300	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Ethylene Dibromide	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Hexanone	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Methyl Iodide	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Isopropylbenzene	170	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-002A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D1
Project Number:	3522F	Client Sample Number:	D1
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

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. 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
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

Methylene Chloride	220	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Methylnaphthalene	19000	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
MTBE	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Naphthalene	7500	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
n-Propylbenzene	660	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Styrene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Tetrachloroethene	270	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Toluene	2400	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,3-Trichlorobenzene	U	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Trichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Trichlorofluoromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,3-Trimethylbenzene	1800	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,4-Trimethylbenzene	5900	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,3,5-Trimethylbenzene	1500	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-002A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D1
Project Number:	3522F	Client Sample Number:	D1
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

Vinyl Chloride	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Xylenes	7500	µg/kg	300	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-003

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D2
Project Number:	3522F	Client Sample Number:	D2
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
RCRA Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	U	mg/kg	0.10	1	PT09H04D	8/4/2009	8/4/2009	MAP
Barium	U	mg/kg	1.0	1	PT09H04D	8/4/2009	8/4/2009	MAP
Cadmium	U	mg/kg	0.050	1	PT09H04D	8/4/2009	8/4/2009	MAP
Chromium	U	mg/kg	0.50	1	PT09H04D	8/4/2009	8/4/2009	MAP
Lead	U	mg/kg	1.0	1	PT09H04D	8/4/2009	8/4/2009	MAP
Selenium	U	mg/kg	0.20	1	PT09H04D	8/4/2009	8/4/2009	MAP
Silver	U	mg/kg	0.10	1	PT09H04D	8/4/2009	8/4/2009	MAP
Mercury by CVAAS (EPA 7471A)								
Mercury	U	mg/kg	0.10	1	PM09H06D	8/6/2009	8/6/2009	JLH
Polychlorinated Biphenyls (PCBs) (EPA 3580A/EPA 8082)								
Aroclor-1016	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1221	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1232	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1242	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1248	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1254	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1260	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1262	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA
Aroclor-1268	U	mg/kg	5.0	1	PS09H06E	8/6/2009	8/6/2009	BDA

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-003A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D2
Project Number:	3522F	Client Sample Number:	D2
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

Acetone	3700	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Acrylonitrile	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Benzene	940	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromochloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromodichloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromoform	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Bromomethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Butanone	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
n-Butylbenzene	4100	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
sec-Butylbenzene	750	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
tert-Butylbenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Carbon Disulfide	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Carbon Tetrachloride	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chloroform	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Chloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Chlorotoluene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Dibromochloromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-003A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D2
Project Number:	3522F	Client Sample Number:	D2
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

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. 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
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

1,2-Dibromo-3-chloropropane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Dibromomethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Dichlorodifluoromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1-Dichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2-Dichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1-Dichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2-Dichloropropane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Ethylbenzene	7500	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Ethylene Dibromide	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Hexanone	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Methyl Iodide	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Isopropylbenzene	1000	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-003A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D2
Project Number:	3522F	Client Sample Number:	D2
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

Methylene Chloride	240	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
2-Methylnaphthalene	51000	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
MTBE	U	µg/kg	1000	10	VA09H07A	8/7/2009	8/7/2009	JAS
Naphthalene	26000	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
n-Propylbenzene	4300	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Styrene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Tetrachloroethene	240	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Toluene	15000	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,3-Trichlorobenzene	U	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	3300	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Trichloroethene	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Trichlorofluoromethane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,3-Trimethylbenzene	8000	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,2,4-Trimethylbenzene	32000	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
1,3,5-Trimethylbenzene	8100	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Saginaw	Sample Matrix:	Oil
Fibertec Project Number:	35276	Sample Number:	35276-003A

Client Sample Information

Project Identification:	Water St.	Client Sample Description:	Composite/ Drum D2
Project Number:	3522F	Client Sample Number:	D2
Sample Date:	7/28/2009	Chain of Custody Number:	85756

Comments:

Definitions/Qualifiers:

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

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Full List (VOCs), 5030 (EPA 5030B/EPA 8260B) (Estimated result for 2-methylnaphthalene, compound failed low on CCV.)

Vinyl Chloride	U	µg/kg	100	10	VA09H07A	8/7/2009	8/7/2009	JAS
Xylenes	45000	µg/kg	300	10	VA09H07A	8/7/2009	8/7/2009	JAS

