

LIMITED PRE-DEMOLITION ASBESTOS/HAZARDOUS MATERIALS SURVEY RESULTS

Report Date: March 21, 2019

Client: Mr. Matthew Briggs
Contracts & Properties Manager
**Saginaw County Community
Mental Health Authority**
500 Hancock Street
Saginaw, MI 48602

Subject: Results of Limited Pre-DEMOLITION Asbestos and Hazardous Materials Survey
AKT Peerless Project No.: 14029s-2-190

Location: 211-213 Fayette Street
Saginaw, Michigan

AKT Peerless Environmental (AKT Peerless) was retained by the Saginaw County Community Mental Health Authority (Client) to perform a Limited Asbestos Survey of the above referenced property. AKT Peerless' scope of work is based on its proposal PS-23876, as well as the terms and conditions of the agreement with the Client. The purpose of the survey was to identify significant building materials containing asbestos and other obvious hazardous materials that will require special handling procedures or removal before conducting general building demolition or renovation activities. Photographs of the site are included below:



Scope of Work

AKT Peerless scope of work was limited to:

- Perform a limited survey of the subject property to identify suspect asbestos containing materials. Suspect materials were sampled in accordance with the client requested sample protocols and submitted for laboratory analysis.
- Perform a surficial inspection to identify other obvious hazardous materials that will require special handling procedures or removal activities before conducting general building demolition activities.
- Prepare an inventory and report describing the survey results.

Limitations

The information and opinions contained in this report are for the exclusive use of the Client. AKT Peerless will not distribute this report without Clients' written consent or as required by law or by a Court order. Report contents must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited herein.

To maintain compliance with regulatory standards including the U.S. Environmental Protection Agency (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAP), suspect materials not accessible or sampled as part of the survey or discovered during the demolition are required to be assumed asbestos containing and handled appropriately in accordance with State and Federal Regulations.

Based on the scope of work requested, only limited destructive search techniques were used during the inspection to identify and quantify materials. Identification of hazardous materials was limited to visible and accessible observations. This Limited Asbestos Survey was not intended to disclose all possible sources of asbestos at the subject property. Rather, it was designed to assess the presence of the most significant and obvious sources of suspect ACMs based on the quantity present, relative condition, and ease of accessibility. It is a requirement under the USEPA NESHAP, 40 CFR Part 61 that prior to performing renovation or demolition activities, that a comprehensive, 'thorough' asbestos survey be conducted to identify the nature and extent of asbestos containing materials at the subject property. The NESHAP regulation applies without regard to the age of a building.

Quantities of identified asbestos containing and other hazardous materials, reported in this document are provided for reference only and should not be relied upon for abatement bidding purposes. AKT Peerless strongly cautions against utilizing the reported material quantities without field verification. It is expected that contractors will utilize their own quantities when preparing bid pricing.

Limitations due to access, safety, confined spaces, and/or other property specifics included the following:

- At the time of the survey the Subject Building was unoccupied. The property is utilized as a two-unit apartment building. Electricity and natural gas are connected to the Subject Building and limited invasive and/or destructive search techniques.

- Exterior observations were limited due to the presence of snow.
- Observations were limited within FS-9 (Attic) and FS-11 (Crawlspace) due to lack of accessibility and being confined spaces.

Asbestos Sampling Results

The following materials were observed and/or sampled at the site:

211 FAYETTE STREET – UNIT 1 & 213 FAYETTE STREET - UNIT 2 MATERIALS SUMMARY (Asbestos Containing Materials In Bold)

HA No.	Material Description	Location	Approximate Quantity	F/NF	Asbestos Content
Additional Samples Collected From 211 Fayette Street – Unit 1, February 21, 2019					
1-1	Plaster	Throughout	3,100 SF	NF	NAD
2-1	Plaster / Drywall	Throughout	2,100 SF	F	NAD
3-1	Duct Paper*	FS-1 1st Floor FS-3 Basement FS-6 Bedroom #1 FS-7 Bathroom FS-8 Bedroom #2	69 LF	F	60% CHR
4-1	Window Glazing	FS-10 Exterior	32 CT	NF	NAD
5-1	Cream Pattern Linoleum	FS-7 Bedroom #1	65 SF	NF	NAD
6-1	6" Cream Tile and Mortar	FS-7 Bedroom #1	30 SF	NF	NAD
7-1	Sink Undercoating	FS-3 Basement	1 CT (6 SF)	NF	NAD
8-1	Stack Cement*	FS-3 Basement	3 SF	NF	5% CHR
9-1	Poured Concrete Pad/Walls- Basement	FS-3 Basement	NE	NF	NAD
10-1	Basement Brick and Mortar	FS-3 Basement	NE	NF	NAD
11-1	Basement Cinder Block and Mortar	FS-3 Basement	NE	NF	NAD
12-1	Paneling Adhesive	FS-3 Basement	175 Paneling 20 SF Adhesive	NF	NAD
13-1	Basement Wall – Skim Coat	FS-3 Basement	70 SF	NF	NAD
14-1	Residual Ceiling Paneling - Basement	FS-3 Basement	1 SF	NF	NAD
15-1	Rubber Membrane Roofing	FS-10 Exterior	60 SF	NF	NAD
16-1	Roofing Shingles	FS-10 Exterior	1,100 SF	NF	NAD
17-1	Paper behind Wood Siding	FS-10 Exterior	4,200 SF	F	NAD

HA No.	Material Description	Location	Approximate Quantity	F/NF	Asbestos Content
18-1	Shed Roofing Shingles with Layers	FS-10 Exterior	80 SF	NF	NAD
Additional Samples Collected From 213 Fayette Street – Unit 2, March 12, 2019					
1-1	Sink Undercoating	FS-3 Kitchen	1 CT (6 SF)	NF	5% CHR
2-1	Insulation Paper on Phone Jack*	FS-5 Basement	1 SF	F	80% CHR
3-1	Stack Cement	FS-5 Basement	2 SF	NF	NAD
4-1	Thick Insulation Paper on Floor Joists*	FS-5 Basement	4 SF	F	50% CHR
5-1	Tan and White Mottled Flooring	FS-3 Kitchen FS-9 Bathroom	110 SF	NF	NAD
6-1	Tan and Brown Brick Pattern Flooring	FS-8 Bedroom	20 SF	NF	NAD

***Remove all layers as asbestos containing.**

Table Notes:

F = Friable NF = Non-friable FS = Functional Space NAD = No Asbestos Detected CHR = Chrysotile
AMO = Amosite SF = Square Feet LF = Linear Feet PC= Point Count NE = Not Estimated
CRO= Crocidolite ACT= Actinolite T = Tile M = Mastic MF = Mud Fittings CY= Cubic Yard
ACM = Asbestos Containing Material (Greater than 1% Asbestos Content) NS = Not Sampled
ASSUMED = Suspect material that was not sampled but was assumed asbestos-containing

Samples were collected by Michigan Department of Licensing and Regulatory Affairs (MDLARA) accredited Asbestos Inspectors Mr. Heath S. Bobick (A43315) and Mr. Mark Breeden (A44842). Functional Spaces (FS) represent the rooms and/or room equivalents present and are field-marked inside the structure. Laboratory results are included in Attachment 1.

Asbestos Recommendation:

1. Based on the findings of the Asbestos Survey and the anticipated demolition of the Subject Building, AKT Peerless recommends that all identified ACM be properly removed by a licensed contractor in accordance with applicable state and federal regulations.
2. Suspect materials discovered during the demolition are required to be assumed asbestos containing and handled appropriately in accordance with state and federal regulations unless determined through laboratory testing identifying them as non-asbestos containing.
3. Based on the Scope of Work identified within proposal PS-23876, and the limitations described herein, AKT Peerless recommends additional invasive and/or destructive search methods prior to demolition to identify any additional materials, previously assumed and/or not identified, during the limited asbestos survey.

Hazardous Materials Inventory Results

AKT Peerless conducted field identification of other potentially hazardous/regulated materials. The following materials were identified at the site:

211 FAYETTE STREET – UNIT 1 HAZARDOUS / REGULATED MATERIALS SUMMARY

Material Description	Location	Number of Units	Approximate Quantity/ Comments
CFL	FS-1 1 st Floor	2	Possibly Contains Mercury
	FS-5 2 nd Floor Hallway	5	
	FS-6 Bedroom #1	1	
Refrigerator	FS-7 Office #3	1	Possibly Contain CFC's
Spray Cans	FS-2 Stairs to Basement	1	Possibly Contains Radioactive Materials
	FS-4 Stairs to 2 nd Floor	1	
	FS-5 2 nd Floor Hallway	1	
	FS-6 Bedroom #1	1	
	FS-8 Bedroom #2	1	
Air Conditioner	FS-3 Office #2	1	Possibly Contains Refrigerants/CFC's
	FS-17 Office #7	1	
Water Heater	FS-3 Basement	1	Possibly Contains Mercury
Fluorescent Tube Lighting	FS-1 1 st Floor	2	Possibly Contains Mercury
Light Ballasts	FS-1 1 st Floor	1	Possibly Oil or PCB Containing

213 FAYETTE STREET – UNIT 2 HAZARDOUS / REGULATED MATERIALS SUMMARY

Material Description	Location	Number of Units	Approximate Quantity/ Comments
Refrigerator	FS-4 Kitchen	1	Possibly Contain CFC's
Household Cleaners	FS-4 Kitchen	5	Various Cleaners
	FS-5 Basement	2	
Paint	FS-5 Basement	4	Various Amounts
Water Heater	FS-5 Basement	1	Possibly Contains Mercury
Thermostat	FS-2 Dining Room	1	Possibly Contains Mercury
Gas Cans	FS-5 Basement	2	Various Amounts
Smoke Detector	FS-7 2 nd Floor Hallway	1	Possibly Contains Radioactive Materials

Hazardous Materials Recommendation:

These materials and other items banned from landfill disposal identified during the demolition should be properly removed and disposed of in accordance with applicable regulations.

Submitted by:
AKT Peerless Environmental
214 Janes Avenue
Saginaw, Michigan 48607
(989) 754-9896

Report prepared by:

A handwritten signature in blue ink, appearing to read "Mark Breeden".

Mark Breeden
Environmental Consultant
MIOSHA CSHD Asbestos Inspector
Accreditation Number: A44842
AKT Peerless
Saginaw, Michigan Office
Phone: 989-754-9896
Fax: 989-754-3804

Report reviewed by:

A handwritten signature in blue ink, appearing to read "Heath Bobick".

Heath Bobick
Environmental Consultant
MIOSHA CSHD Asbestos Inspector
Accreditation Number: A43315
AKT Peerless
Saginaw, Michigan Office
Phone: 989-754-9896
Fax: 989-754-3804

Attachment 1: Asbestos Laboratory Results and Chain of Custody

ATTACHMENT 1

Asbestos Laboratory Results and Chain of Custody

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 211-213 N. Fayette, Saginaw, MI
Project # :14029S-2-190



Report To:

Mr. Heath Bobick
AKT Peerless
214 Janes Ave.
Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 01 Cust. #: 1-1 Material: Plaster Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 01a Cust. #: 1-1 Material: Plaster Base Coat Location: Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Hair - 1% Other - 98%
Lab ID #: 82578 - 02 Cust. #: 1-2 Material: Plaster Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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

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Robert T. Letarte Jr., Laboratory Director

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 02a
Cust. #: 1-2
Material: Plaster Base Coat
Location:
Appearance: grey,fibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 1%
Hair - 2%
Other - 97%

Lab ID #: 82578 - 03
Cust. #: 1-3
Material: Plaster Finish Coat
Location:
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 03a
Cust. #: 1-3
Material: Plaster Base Coat
Location:
Appearance: grey,fibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Hair - 2%
Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 04 Cust. #: 2-1 Material: Plaster Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 04a Cust. #: 2-1 Material: Plaster Base Coat Location: Appearance: grey,fibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Hair - 2% Other - 97%
Lab ID #: 82578 - 04b Cust. #: 2-1 Material: Drywall Location: Appearance: white,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 05 Cust. #: 2-2 Material: Plaster Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 05a Cust. #: 2-2 Material: Plaster Base Coat Location: Appearance: grey,fibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Hair - 1% Other - 98%
Lab ID #: 82578 - 05b Cust. #: 2-2 Material: Drywall Location: Appearance: white,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 06 Cust. #: 2-3 Material: Plaster Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 06a Cust. #: 2-3 Material: Plaster Base Coat Location: Appearance: grey,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Hair - 1% Other - 98%
Lab ID #: 82578 - 06b Cust. #: 2-3 Material: Drywall Location: Appearance: white,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 07
Cust. #: 3-1
Material: Duct Paper
Location:
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 60%

Other - 40%

Lab ID #: 82578 - 08
Cust. #: 3-2
Material: Duct Paper
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 82578 - 09
Cust. #: 4-1
Material: Window Glazing
Location:
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 1%
Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 10 Cust. #: 4-2 Material: Window Glazing Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 82578 - 11 Cust. #: 5-1 Material: Cream Pattern Linoleum Location: Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 10% Other - 90%
Lab ID #: 82578 - 12 Cust. #: 6-1 Material: 6" Cream Tile Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 12a
Cust. #: 6-1
Material: Grout
Location:
Appearance: white,nonfibrous,homogenous
Layer: 2 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 12b
Cust. #: 6-1
Material: Glue
Location:
Appearance: yellow,nonfibrous,homogenous
Layer: 3 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 13
Cust. #: 7-1
Material: Sink Undercoating
Location:
Appearance: white,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 Material
Lab ID #: 82578 - 14 Cust. #: 7-2 Material: Sink Undercoating Location: Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 82578 - 15 Cust. #: 8-1 Material: Stack Cement Location: Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Wollastonite - 5% Other - 90%
Lab ID #: 82578 - 16 Cust. #: 8-2 Material: Stack Cement Location: Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 17 Cust. #: 9-1 Material: Poured Concrete Location: Pad/Walls Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 18 Cust. #: 9-2 Material: Poured Concrete Location: Pad/Walls Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 19 Cust. #: 10-1 Material: Brick Location: Basement Appearance: red,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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

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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 : 211-213 N. Fayette, Saginaw, MI
Project # :14029S-2-190



Report To:

Mr. Heath Bobick
AKT Peerless
214 Janes Ave.
Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 19a
Cust. #: 10-1
Material: Mortar
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 20
Cust. #: 10-2
Material: Brick
Location: Basement
Appearance: red,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 20a
Cust. #: 10-2
Material: Mortar
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Project # :14029S-2-190



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Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 21
Cust. #: 11-1
Material: Cinder Block
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 21a
Cust. #: 11-1
Material: Mortar
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 22
Cust. #: 11-2
Material: Cinder Block
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Project # :14029S-2-190



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AKT Peerless
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Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 22a
Cust. #: 11-2
Material: Mortar
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 23
Cust. #: 12-1
Material: Paneling Adhesives
Location:
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 24
Cust. #: 12-2
Material: Paneling Adhesives
Location:
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Project # :14029S-2-190



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Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 25
Cust. #: 13-1
Material: Wall Skim Coat
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 26
Cust. #: 13-2
Material: Wall Skim Coat
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 82578 - 27
Cust. #: 14-1
Material: Residual Ceiling Paneling
Location: Basement
Appearance: brown,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

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ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 28 Cust. #: 14-2 Material: Residual Ceiling Paneling Location: Basement Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 82578 - 29 Cust. #: 15-1 Material: Rubber Membrane Roofing Location: Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82578 - 30 Cust. #: 15-2 Material: Rubber Membrane Roofing Location: Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 31
Cust. #: 16-1
Material: Roofing Shingles
Location:
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 30%
Other - 70%

Lab ID #: 82578 - 32
Cust. #: 16-2
Material: Roofing Shingles
Location:
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 30%
Other - 70%

Lab ID #: 82578 - 33
Cust. #: 17-1
Material: Paper Behind Wood Siding
Location:
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

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Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 34
Cust. #: 17-2
Material: Paper Behind Wood Siding
Location:
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

Lab ID #: 82578 - 35
Cust. #: 18-1
Material: Shed Roofing Shingles
Location:
Appearance: black, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 30%
Other - 70%

Lab ID #: 82578 - 35a
Cust. #: 18-1
Material: Felt
Location:
Appearance: brown, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

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ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82578 - 36 Cust. #: 18-2 Material: Shed Roofing Shingles Location: Appearance: black, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 82578 - 36a Cust. #: 18-2 Material: Felt Location: Appearance: brown, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 82578 - 37 Cust. #: 9-3 Material: Poured Concrete Pad Location: Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Project # :14029S-2-190



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Saginaw, MI 48607

ARI Report # 19-82578
Date Collected: 02/21/19
Date Received: 02/25/19
Date Analyzed: 02/28/19
Date Reported: 03/04/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82578 - 38
Cust. #: 13-3
Material: Wall Skim Coat
Location: Basement
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

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82578

APEX Research, Inc.

154 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991.

Web Site: <http://apexresearch-inc.com> Email: Robert.Letarte@apexresearchlab.com

Customer Name: AKT Peerless
 Address: 214 Janes Avenue
 City, St., Zip: Saginaw, MI 48607

Date of Survey: FEBRUARY 21, 2019
 Project: 211-213 N FAYETTE, SAGINAW, MI
 Project #: 14029S-2-190

Phone: 989-754-9896 Fax: 989-754-3804

Contact Person: Heath Bobick
 Email: bobickh@aktpeerless.com

***Terms and conditions on the other side.

Lab Use Only

Log-In: _____

Report: _____

Fax: _____

Verbal: _____

Email: _____

RECEIVED

FEB 25 2019

APEX RESEARCH

Turn Around Times:

5 Days

TTP YES

(Test Till Positive)

Asbestos:

Bulk X

Wipe _____ PCM _____

Lead:

Paint _____

Wipe _____

Lab ID	Customer ID #	Material/Location	Results
1	1-1	PLASTER	
2	1-2	PLASTER	
3	1-3	PLASTER	
4	2-1	PLASTER/DRYWALL	
5	2-2	PLASTER/DRYWALL	
6	2-3	PLASTER/DRYWALL	
7	3-1	DUCT PAPER	
8	3-2	DUCT PAPER	
9	4-1	WINDOW GLAZING	
10	4-2	WINDOW GLAZING	
11	5-1	CREAM PATTERN LINOLEUM	
12	6-1	6" CREAM TILE AND MORTAR	
13	7-1	SINK UNDERCOATING	
14	7-2	SINK UNDERCOATING	
15	8-1	STACK CEMENT	
16	8-2	STACK CEMENT	
17	9-1	POURED CONCRETE PAD/WALLS BSMT	
18	9-2	POURED CONCRETE PAD/WALLS BSMT	
19	10-1	BSMT BRICK AND MORTAR	
20	10-2	BSMT BRICK AND MORTAR	
21	11-1	BSMT CINDER BLOCK AND MORTAR	
22	11-2	BSMT CINDER BLOCK AND MORTAR	
23	12-1	PANELING ADHESIVES	
24	12-2	PANELING ADHESIVES	
25	13-1	BSMT WALL SKIM COAT	
26	13-2	BSMT WALL SKIM COAT	
27	14-1	RESIDUAL CEILING PANELING BSMT	
28	14-2	RESIDUAL CEILING PANELING BSMT	
29	15-1	RUBBER MEMBRANE ROOFING	
30	15-2	RUBBER MEMBRANE ROOFING	
31	16-1	ROOFING SHINGLES	
32	16-2	ROOFING SHINGLES	
33	17-1	PAPER BEHIND WOOD SIDING	
34	17-2	PAPER BEHIND WOOD SIDING	
35	18-1	SHED ROOFING SHINGLES W/LAYER	
36	18-2	SHED ROOFING SHINGLES W/LAYER	

57	9-3	Poured Concrete Pk 1	
38	13-3	BSMT Wall Skinning Coat	

Relinquished By: ASB
Date: FEBRUARY 21, 2019 455 PM
Revision Date: June/2011

Received By: S.J.W.
Date: 2-25-19 0959

82578

RECEIVED

FEB 25 2019

APEX RESEARCH

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 213 Fayette, Saginaw, MI
Project # :14029s-2-190



Report To:

Mr. Mark Breeden
AKT Peerless
214 Janes Ave.
Saginaw, MI 48607

ARI Report # 19-82884
Date Collected: 03/12/19
Date Received: 03/13/19
Date Analyzed: 03/18/19
Date Reported: 03/19/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82884 - 01 Cust. #: 1-1 Material: Sink Undercoating Location: Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 82884 - 02 Cust. #: 2-1 Material: Insulation Paper Location: On Phone Jack Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 80%	Other - 20%
Lab ID #: 82884 - 03 Cust. #: 2-2 Material: Insulation Paper Location: On Phone Jack Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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

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Robert T. Letarte Jr., Laboratory Director

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Project : 213 Fayette, Saginaw, MI
Project # :14029s-2-190



Report To:

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AKT Peerless
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Saginaw, MI 48607

ARI Report # 19-82884
Date Collected: 03/12/19
Date Received: 03/13/19
Date Analyzed: 03/18/19
Date Reported: 03/19/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82884 - 04 Cust. #: 3-1 Material: Stack Cement Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82884 - 05 Cust. #: 3-2 Material: Stack Cement Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 82884 - 06 Cust. #: 4-1 Material: Thick Insulation Paper Location: On Floor Joists Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 50%	Cellulose - 20% Other - 30%

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ARI Report # 19-82884
Date Collected: 03/12/19
Date Received: 03/13/19
Date Analyzed: 03/18/19
Date Reported: 03/19/19

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 82884 - 07
Cust. #: 4-2
Material: Thick Insulation Paper
Location: On Floor Joists
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 82884 - 08
Cust. #: 4-3
Material: Thick Insulation Paper
Location: On Floor Joists
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 82884 - 09
Cust. #: 5-1
Material: Tan/White Mottled Flooring
Location:
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 10%
Fiberglass - 10%
Other - 80%

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 213 Fayette, Saginaw, MI
Project # :14029s-2-190



Report To:

Mr. Mark Breeden
AKT Peerless
214 Janes Ave.
Saginaw, MI 48607

ARI Report # 19-82884
Date Collected: 03/12/19
Date Received: 03/13/19
Date Analyzed: 03/18/19
Date Reported: 03/19/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 82884 - 10 Cust. #: 5-2 Material: Tan/White Mottled Flooring Location: Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 82884 - 11 Cust. #: 6-1 Material: Tan/Brown Brick Pattern Flooring Location: Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 82884 - 12 Cust. #: 6-2 Material: Tan/Brown Brick Pattern Flooring Location: Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

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/negative 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 must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal 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.





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

Date of Survey: March 12, 2019
Project: 213 Fayette, Saginaw, MI
Project #: 14029s-2-190
Contact Person: Mark Breedon
Email: breedonm@aktpeerless.com

Lab Use Only

Log-In: _____

Report: _____

Fax: _____

Verbal: _____

Email: _____

Turn Around Times:

****Terms and conditions on the other side.*

5 Days

TTP **YES**

(Test Till Positive)

Asbestos:

Bulk **X**

Wipe _____ PCM _____

Lead:

Paint

Wipe

[illegible]

RECEIVED

MAR 13 2019

Relinquished By: [Signature]
Date: March 4, 2019 226pm
Revision Date: June/2011

Received By: 87w
Date: 3-13-19 0937

APEX RESEARCH