

ASBESTOS MATERIALS SURVEY

Report Date: November 25, 2013

Client: Ann Arbor Housing Commission

Site Address: 805/807 W. Washington
Ann Arbor, Michigan

AKT Peerless Project #: 8473e-1-190

SECTION I - ASBESTOS INSPECTION

AKT Peerless conducted field sampling for suspect asbestos containing materials on November 11, 2013. The following suspect materials were identified at the site:

SUSPECT MATERIALS SUMMARY (ASBESTOS MATERIALS IN BOLD CAPS)

Material Description	Material Classification	Function Space (FS) Location	HA No.	Approximate Quantity	EPA Category	Asbestos Content
Drywall	MM	Throughout units and combined storage	HA-01	NE	C2	NAD
Linoleum, Gray Tile Pattern	MM	Unit 805 Laundry	HA-02	50 SF	C2	NAD
12" Floor Tile, Cream w/Dark Gray Streaks	MM	Unit 807 Throughout	HA-05	NE	C2	NAD
Window Caulk	MM	Combined Storage	HA-04	NE	C2	NAD
Roofing Shingle	MM	Exterior	HA-03	NE	C1	Assumed ACM

Key: F = Friable; NF = Non-friable; FS = Functional Space; NAD = No Asbestos Detected; CHR = Chrysotile; AMO = Amosite; SF = Square Feet; LF = Linear Feet; CF = Cubic Feet; MF = Mud Fittings; Classification: SM = Surfacing Material; TSI = Thermal System Insulation; MM = Miscellaneous Material; EPA Material Categories: FR = Friable Regulated; C2 = Category II Non-friable; C1 = Category I Non-friable; NE = Not Estimated

Recommendations:

1. Non-friable roofing materials are assumed to contain asbestos and do not require removal ahead of renovation or demolition activities, unless building materials will be recycled or the roofing will be made friable.

Samples were collected by a State of Michigan Department of Licensing and Regulatory Affairs (LARA) Michigan Occupational Safety & Health Administration (MIOSHA) -Asbestos Program accredited Asbestos Inspector.

Laboratory results and Chain of Custody documents are included in Attachment 1.

LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of the Ann Arbor Housing Commission. AKT Peerless will not distribute this report without Client's 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 therein.

Quantities of identified asbestos containing and other hazardous materials reported are provided for reference only.

Prepared by:

AKT PEERLESS ENVIRONMENTAL AND ENERGY SERVICES

A rectangular box containing a handwritten signature in black ink that reads "James C. Fox".

James C. Fox, RPIH

Sr. Project Manager

MIOSHA CSHD Asbestos Inspector, Management Planner, Project Designer

Accreditation Number: A3152

ATTACHMENT 1

Asbestos Laboratory Results and Chain of Custody



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 805/807 W. Washington (AAHC)
Project # 8473f

Report To:

Mr. Jim Fox
AKT Peerless
22725 Orchard Lake Rd.
Farmington, MI 48336

ARI Report # 13-48844
Date Collected: 11/13/13
Date Received: 11/19/13
Date Analyzed: 11/22/13
Date Reported: 11/22/13

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 48844 - 01 Cust. #: 805-01-01 Material: Drywall & Mud Location: Unit 805 Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 48844 - 02 Cust. #: 805-01-02 Material: Drywall & Mud Location: Unit 805 Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 48844 - 03 Cust. #: 805/807-01-03 Material: Drywall & Mud Location: Combined Storage Appearance: white, 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/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 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



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Date Reported: 11/22/13

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 48844 - 04 Cust. #: 805/807-01-04 Material: Drywall & Mud Location: Combined Storage Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 48844 - 05 Cust. #: 805/807-01-05 Material: Drywall & Mud Location: Combined Storage Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 2% Other - 98%
Lab ID #: 48844 - 06 Cust. #: 805-02-01 Material: Linoleum, Gray Tile Pattern Location: Appearance: white, fibrous, nonhomogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Fiberglass - 5% Other - 65%

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Date Reported: 11/22/13

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 48844 - 06a Cust. #: 805-02-01 Material: Glue Location: Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 48844 - 07 Cust. #: 805-02-02 Material: Linoleum, Gray Tile Pattern Location: Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Fiberglass - 5% Other - 65%
Lab ID #: 48844 - 08 Cust. #: 805/807-04-01 Material: Window Caulk Location: Combined Storage Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Analyzed: 11/22/13
Date Reported: 11/22/13

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 48844 - 09 Cust. #: 805/807-04-02 Material: Window Caulk Location: Combined Storage Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 48844 - 10 Cust. #: 807-05-01 Material: 12" Cream/Dk. Gray Floor Tile Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 48844 - 11 Cust. #: 807-05-02 Material: 12" Cream/Dk. Gray Floor Tile Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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NVLAP Lab Code 102118-0

APEX Research, Inc.

11054 LF: TRACK DRIVE, WASHINGTON LAKE, MI 48189. Phone: (734) 449-9990, Fax (734) 449-9991.

Search-INC.com Email: Bob Letarte@apexresearchlab.com



Customer Name

AKTPEERLESS
22725 Orchard Lake Road
Farmington, MI 48336

Address: P (248) 615-1333 F (248) 615-1334
City, St., Zip: P (248) 615-1333 F (248) 615-1334

Phone: 248.302.3571 Fax:

Date of Survey: 11/13/13

Project: 805/807-W. Washington (MAHC)
Project #: 8493F

Contact Person: J. Fox

Email: foxj@aktpeerless.com

***Terms and conditions on the other side

Turn Around Times: (Circle One)

Rush 24 hour

48 hour 12 hour

Other: TTP yes/ no (Test Till Positive)

Asbestos:

Bulk Wipe

Point Count

PCM

Lead:

Bulk

Air

Soil

Mold:

Bulk

BioSIS

Other

TEM:

Bulk/NOP

AHERA

EPA Level II

Other

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
1	805-01-01	Drywall Mud, UNIT 805			
2	805-01-02	" " "			
3	805/807-01-03	Drywall Mud, COMBINED STORAGE			
4	805/807-01-04	" " "			
5	805/807-01-05	" " "			
6	805-02-01	Linooleum, Gray Tile Pattern			
7	805-02-02	" " "			
8	805/807-04-01	Window Cavities, COMBINED STORAGE			
9	805/807-04-02	" " "			
10	807-05-01	12" Floor Tiles, Cream/ Dark Gray Streaks			
11	807-05-02	" " "			

RECEIVED

Relinquished By: *[Signature]*
Date: 11/13/13

Received By: *[Signature]*
Date: 11/9 NOV 19 2013

Relinquished By: _____
Date: _____

Relinquished By: _____
Date: _____