

A&A

ENVIRONMENTAL SERVICES

P.O. Box 708 • Poynette, WI 53955
Phone: (608) 635-8491 • Email: Office@aaenv.com • Fax: (608) 635-9717
INSPECTION

June 29, 2017

Randy Wiesner
City of Madison
210 MLK, Jr. Blvd., CCB Room 115
Madison, WI 53703-3342
(608) 266-4366
RWiesner@cityofmadison.com

RE: 3533 Furey Ave, Madison WI 53714

On June 20, 2017 an asbestos inspection for conventional demolition, a lead based paint inspection on recyclable concrete materials, and a visual inspection for mercury thermostats and fluorescent light bulbs that may contain mercury were completed on the garage located at 3533 Furey Avenue, Madison, WI.

Asbestos Inspection

Bulk samples were collected and analyzed for asbestos content by polarized light microscopy (PLM). The following materials were reported >1% asbestos or are assumed to contain greater than 1% asbestos that will become friable during conventional demolition or is in poor condition. These materials must be properly disposed of prior to conventional demolition.

- Asbestos cement board on the west end of the building gable – 128 Sq Ft, Sample 3

The following building materials tested <1% asbestos by PLM 400 point count or are assumed to contain asbestos in good condition. These materials must be properly disposed of at an engineered landfill. These materials may not be recycled.

1. Off white vertical expansion joint caulk on the west end of the building. It appears this was used to seal a crack in the cement block. Appears to be approximately 16 feet long and inch wide – 2 Sq Ft, Sample 9 (no other caulk was observed on the exterior of the building)
2. Bakelite in exterior meter socket – 1 Sq Ft, assumed

The following building materials were sampled and reported as no asbestos detected:

1. Flashing material around the chimney
2. Roofing shingles
3. Roofing tar paper
4. Window glazing
5. Entry door window glazing on the west side of the building
6. Drywall
7. Drywall compound
8. Exterior paint
9. Paint on basement ceiling
10. Green glue pods on the storage room wall on first floor southwest

Lead-Based Paint Inspection on Recyclable Materials

Recyclable painted concrete was sampled for lead in paint utilizing a Niton XLP3000 x-ray fluorescence (XRF) analyzer. All readings were reported $< 0.7 \text{ Mg/Cm}^2$ which allows for recycling of the painted concrete. All painted concrete materials (including cinder blocks) may be crushed/recycled as a result of this testing.

Other Potentially Hazardous Materials

1. 0 Mercury thermostats
2. 18 Fluorescent light bulbs
3. 2 HID light bulbs
4. 1 CFL bulb
5. 2 Exit lights

Building Information:

2,288 Sq Ft
2 Stories
0 Living Units
66 Years Old
1 Building

A&A Environmental Services Inc.'s inspectors are only able to inspect open, safe, and accessible areas inside and outside of the building. Inaccessible suspect material may be hidden throughout this building. Any additional suspect materials discovered during the course of abatement/demolition/remodeling must be assumed to be ACM until sampled by and EPA/State of Wisconsin certified asbestos inspector and proven negative.

If you have any questions concerning this report or the sampling performed please feel free to contact me.

Sincerely,


Ryan Sopha

President/Inspector #AII01851

Encl

RAS/bls



June 26, 2017

A & A Environmental Services
PO Box 708
Poynette, WI 53955

CLIENT PROJECT: 3533 Furey Avenue; 183
CEI LAB CODE: A17-8842

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 22, 2017. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read 'Tianbao Bai'.

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

A & A Environmental Services

CLIENT PROJECT: 3533 Furey Avenue; 183

CEI LAB CODE: A17-8842

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/26/17

TOTAL SAMPLES ANALYZED: 21

SAMPLES >1% ASBESTOS: 2

TOTAL LAYERS ANALYZED: 21

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 3533 Furey Avenue; 183

CEI LAB CODE: A17-8842

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
01		A2431402	Black	Flashing Material Roof	None Detected
02		A2431403	Black	Flashing Material Roof	None Detected
03		A2431404	Gray,White	Asbestos Cement Board	Chrysotile 15%
04		A2431405	Black,Gray	Roofing Shingle	None Detected
05		A2431406	Black	Roofing Tar Paper	None Detected
06		A2431407	Black,Red	Roofing Shingle	None Detected
07		A2431408	Black	Roofing Tar Paper	None Detected
08		A2431409	Black,Red	Roofing Shingle	None Detected
09		A2431410	Gray,Off-white	Expansion Joint Caulking	Chrysotile 5%
10		A2431411	Gray,Off-white	Window Glazing	None Detected
11		A2431412	Gray,Off-white	Window Glazing	None Detected
12		A2431413	Off-white	Window Glazing	None Detected
13		A2431414	White	Drywall Ceiling	None Detected
14		A2431415	Off-white	Drywall Compound	None Detected
15		A2431416	White	Exterior Paint	None Detected
16		A2431417	White	Drywall Wall	None Detected
17		A2431418	Off-white	Drywall Compound	None Detected
18		A2431419	White	Drywall Ceiling	None Detected
19		A2431420	Off-white	Drywall Compound	None Detected
20		A2431421	White	Exterior Paint	None Detected
21		A2431422	Green	Glue Pod	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: A & A Environmental Services
 PO Box 708
 Poynette, WI 53955

CEI Lab Code: A17-8842
Date Received: 06-22-17
Date Analyzed: 06-23-17
Date Reported: 06-26-17

Project: 3533 Furey Avenue; 183

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
01 A2431402	Flashing Material Roof	Homogeneous Black Fibrous Bound	20%	Cellulose	80%	Tar	None Detected
02 A2431403	Flashing Material Roof	Homogeneous Black Fibrous Bound	20%	Cellulose	80%	Tar	None Detected
03 A2431404	Asbestos Cement Board	Heterogeneous Gray,White Fibrous Bound			75%	Binder	15% Chrysotile
			10%			Paint	
04 A2431405	Roofing Shingle	Heterogeneous Black,Gray Fibrous Bound	35%	Fiberglass	55%	Tar	None Detected
					10%	Gravel	
05 A2431406	Roofing Tar Paper	Heterogeneous Black Fibrous Bound	50%	Cellulose	50%	Tar	None Detected
06 A2431407	Roofing Shingle	Heterogeneous Black,Red Fibrous Bound	35%	Fiberglass	55%	Tar	None Detected
					10%	Gravel	
07 A2431408	Roofing Tar Paper	Heterogeneous Black Fibrous Bound	50%	Cellulose	50%	Tar	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: A & A Environmental Services
 PO Box 708
 Poynette, WI 53955

CEI Lab Code: A17-8842
Date Received: 06-22-17
Date Analyzed: 06-23-17
Date Reported: 06-26-17

Project: 3533 Furey Avenue; 183

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
08 A2431409	Roofing Shingle	Heterogeneous Black,Red Fibrous Bound	35%	Fiberglass	55%	Tar 10% Gravel	None Detected
09 A2431410	Expansion Joint Caulking	Heterogeneous Gray,Off-white Fibrous Bound			60%	Calc Carb 35% Binder	5% Chrysotile
10 A2431411	Window Glazing	Heterogeneous Gray,Off-white Fibrous Bound			50%	Calc Carb 40% Binder 10% Paint	None Detected
11 A2431412	Window Glazing	Heterogeneous Gray,Off-white Fibrous Bound			50%	Calc Carb 40% Binder 10% Paint	None Detected
12 A2431413	Window Glazing	Heterogeneous Off-white Fibrous Bound			50%	Calc Carb 40% Binder 10% Paint	None Detected
13 A2431414	Drywall Ceiling	Heterogeneous White Fibrous Bound			50%	Calc Carb 40% Binder 10% Paint	None Detected
14 A2431415	Drywall Compound	Heterogeneous Off-white Fibrous Bound	15% 3%	Cellulose Fiberglass	52% 20%	Gypsum Binder 10% Paint	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: A & A Environmental Services
 PO Box 708
 Poynette, WI 53955

CEI Lab Code: A17-8842
Date Received: 06-22-17
Date Analyzed: 06-23-17
Date Reported: 06-26-17

Project: 3533 Furey Avenue; 183

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %	
			Fibrous	Non-Fibrous		
15 A2431416	Exterior Paint	Heterogeneous White Non-fibrous Bound	90% 10%	Paint Silicates	None Detected	
16 A2431417	Drywall Wall	Heterogeneous White Fibrous Bound	50% 40% 10%	Calc Carb Binder Paint	None Detected	
17 A2431418	Drywall Compound	Heterogeneous Off-white Fibrous Bound	15% 3%	Cellulose Fiberglass 20% 10%	Gypsum Binder Paint	None Detected
18 A2431419	Drywall Ceiling	Heterogeneous White Fibrous Bound	50% 40% 10%	Calc Carb Binder Paint	None Detected	
19 A2431420	Drywall Compound	Heterogeneous Off-white Fibrous Bound	15% 3%	Cellulose Fiberglass 20% 10%	Gypsum Binder Paint	None Detected
20 A2431421	Exterior Paint	Heterogeneous White Non-fibrous Bound	90% 10%	Paint Silicates	None Detected	
21 A2431422	Glue Pod	Homogeneous Green Non-fibrous Bound	95% 5%	Mastic Silicates	None Detected	



LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

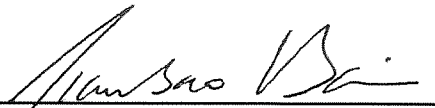
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.


This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


Audrianna Pollen

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director


Gary A. Swanson

NVLAP[®]
TESTING
NVLAP LAB CODE 101768-0

A&A

ENVIRONMENTAL SERVICES

P.O. Box 708 • Poynette, WI 53955
Phone: (608) 635-8491 • Email: Office@aaenv.com • Fax: (608) 635-9717

CLIENT:	City Of Madison	AA ENV #:	AAES183
LOCATION:	3533 Furey Ave	SITE DATE	6/20/17
SAMPLE TYPE:	Paint		

Index	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
1			CAL						0.66
2			CAL					Positive	1
3			CAL					Positive	1
4			CAL					Positive	1
5	WALL	CONCRETE	A	INTACT	WHITE	FIRST	OUTSIDE	Negative	< LOD
6	WALL	CONCRETE	B	INTACT	WHITE	FIRST	OUTSIDE	Negative	< LOD
7	WALL	CONCRETE	C	INTACT	WHITE	FIRST	OUTSIDE	Negative	< LOD
8	WALL	CONCRETE	D	INTACT	WHITE	FIRST	OUTSIDE	Negative	< LOD
9	WALL	CONCRETE	A	INTACT	WHITE	FIRST	GARAGE	Negative	< LOD
10	WALL	CONCRETE	B	INTACT	WHITE	FIRST	GARAGE	Negative	< LOD
11	WALL	CONCRETE	C	INTACT	WHITE	FIRST	GARAGE	Negative	< LOD
12	WALL	CONCRETE	D	INTACT	WHITE	FIRST	GARAGE	Negative	< LOD
13	WALL	CONCRETE	A	INTACT	WHITE	FIRST	STORE ROOM	Negative	< LOD
14	WALL	CONCRETE	B	INTACT	WHITE	FIRST	STORE ROOM	Negative	< LOD
15	WALL	CONCRETE	C	INTACT	WHITE	FIRST	STORE ROOM	Negative	< LOD
16	WALL	CONCRETE	D	INTACT	WHITE	FIRST	STORE ROOM	Negative	< LOD
17	WALL	CONCRETE	A	INTACT	WHITE	BASEMENT	STORE ROOM	Negative	< LOD
18	WALL	CONCRETE	B	INTACT	WHITE	BASEMENT	STORE ROOM	Negative	< LOD
19	WALL	CONCRETE	C	INTACT	WHITE	BASEMENT	STORE ROOM	Negative	< LOD
20	WALL	CONCRETE	D	INTACT	WHITE	BASEMENT	STORE ROOM	Negative	< LOD
21	CEILING	CONCRETE		INTACT	WHITE	BASEMENT	STORE ROOM	Negative	0.3
22			CAL					Positive	1.1
23			CAL					Positive	1
24			CAL					Positive	1