



Air Quality Management Services, Inc.

"Discovering Solutions for Healthier Living"

February 9th, 2018

ServPro of Portland
C/o Jim Francoeur
9 Hutcherson Drive
Gorham, Maine 04038

Re: Limited Asbestos Survey at 428 Brighton Avenue property located in Portland, Maine.

AQM Project # 18-079

Air Quality Management Services, Inc. (AQM) conducted a limited survey to evaluate the building materials for the presence of asbestos fibers to prepare for demolition. This evaluation was conducted on February 6th, 2018.

Findings

These are the results of the suspected materials that were sampled and analyzed by Polarized Light Microscopy (PLM) using EPA 600/R-93/116 and / or section 2.3 (Non-Friable Organically Bound method):

Sample #	Location	Material	% Asbestos	Type
B1 - B3	Kitchen Area	Floor Tile below Ceramic Tiles	ND	----
B4 - B6	Electrical Panel Closet	Linoleum	ND	----
B7 - B9	Throughout	Joint Compound	ND	----
B10 - B12	Throughout	Sheetrock	ND	----
B13 - B15	Rear Roof	Roofing (Below Rubber)	13.0%	Chrysotile
B16 - B18	Main Building	Roofing (Below Rubber)	ND	----
B19 - B21	Inside Rear	2x4 Ceiling Tile	ND	----

ND = None Detected

Asbestos containing material means any material containing asbestos in quantities greater than or equal to 1%. Removal & Disposal of the material(s) listed in the table above (**in bold red**) is / are regulated by the State of Maine and/or the Occupational Safety and Health Administration (OSHA). All testing of suspect materials is in accordance with OSHA 29 CFR 1926.1101, and the State of Maine Asbestos Management Regulations.

A Licensed / Certified Asbestos Abatement Contractor in accordance with the State of Maine Asbestos Management Regulations Chapter 425 is required to abate any asbestos containing building materials that are going to be aggressively impacted during renovation / demolition activities.

Survey Limitations

As with any scientific study, there are certain assumptions which are made, and certain limitations to the scope of information that can be derived. Some restrictions on the conduct of the survey are imposed by outside sources while others are established through the designed scope and methodology of the study. As with any building / facility survey, it is subject to a variety of limitations and restrictions. Limitations that should be considered in the interpretation of the results of this survey include the following:

Survey Limitations (Continued)

- A. Asbestos survey(s) may not be able to identify all ACBM present throughout the home / facility and maybe limited to the areas of water damage / impact / current loss. A thorough study should be capable of identifying approximately 95 percent of accessible (by non-destructive methods) ACBM present.
- B. The inspection protocols used for this project were in accordance with U.S. Environmental Protection Agency (USEPA) - National Emission Standard for Hazardous Air Pollutants (NESHAP) and with the Maine Department of Environmental Protection (MEDEP) protocols specific to asbestos sampling and evaluations.
- C. Limitations to the scope of the survey can result from limited access to hidden materials and areas. For example, multiple layers of materials or structural components may restrict access to suspect materials thus affecting the thoroughness of the survey. In most cases an asbestos survey is limited to accessible suspect materials with some minor demolition or destructive sampling.
- D. In some cases, hidden materials may be identified during renovations, general maintenance or demolition. Due to the limited nature of this survey, AQM recommends any suspect material not identified in this report be sampled and analyzed for asbestos contents and treated as asbestos until otherwise determined.

AQM appreciates this opportunity to have assisted you with your renovation / demolition impact survey. In the event we can be of further service or you have questions regarding this report, please give us a call.

Sincerely,



Randy Geoffroy, CMI
MEDEP Certification # AI-0395

SUPPORTING DOCUMENTATION

AQM

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

621800259

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

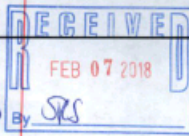
FAX: (856) 786-5974

Company: Air Quality Management Services		EMSL-Bill to: <input checked="" type="checkbox"/> Different <input type="checkbox"/> Same If Bill to Different note instructions in Comments**	
Street: PO Box 2491		Third Party Billing requires written authorization from third party	
City: Lewiston	State/Province: ME	Zip/Postal Code: 04241	Country: United States
Report To (Name): Randy Geoffroy		Telephone #: 207-657-7360	
Email Address: See Account Notes		Fax #: 207-657-7361	Purchase Order: 18-079
Project Name/Number: 18-079 - Portland		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: Maine		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. **There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only)	
<input type="checkbox"/> NIOSH 7400		<input type="checkbox"/> AHERA 40 CFR, Part 763	
<input type="checkbox"/> w/ OSHA 8hr, TWA		<input type="checkbox"/> NIOSH 7402	
PLM - Bulk (reporting limit)		<input type="checkbox"/> EPA Level II	
<input type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> ISO 10312	
<input type="checkbox"/> PLM EPA NOB (<1%)		TEM - Bulk	
Point Count		<input type="checkbox"/> TEM EPA NOB	
<input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)	
Point Count w/Gravimetric		<input type="checkbox"/> Chatfield SOP	
<input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	
<input type="checkbox"/> NYS 198.1 (friable in NY)		TEM - Water: EPA 100.2	
<input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)		Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input type="checkbox"/> NIOSH 9002 (<1%)		All Fiber Sizes: <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Randy Geoffroy - AI-0395		Samplers Signature:	
Sample #	Sample Description	Volume/Area (µl) HA # (Bulk)	Date/Time Sampled
B1-B3	Floor Tile and Mastic under ceramic tile		2/6/18
B4-B6	Insulation in Electrical Panel Closet		
B7-B9	Joint Compound		
B10-B12	Sheetrock		
B13-B15	Roofing Near Side		
B16-B18	Roofing Main Building		
B19-B21	2x4 ceiling T&G		
Client Sample # (s):	B1 - B21	Total # of Samples:	21
Relinquished (Client):		Date:	2/6/18
		Time:	16:30
Received (Lab):		Date:	2/7/18
		Time:	10AM
Comments/Special Instructions:			
Email Invoices to: conie@qaservices.com			

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E. Fedex (2 of 2)



**EMSL Analytical, Inc.**

161 John Roberts Road South Portland, ME 04106
 Phone/Fax: (207) 517-6921 / (207) 517-6922
[http://www.EMSL.com / portlandlab@emsl.com](http://www.EMSL.com/portlandlab@emsl.com)

EMSL Order ID: 521800259
 Customer ID: AIRQ51A
 Customer PO: 18-079
 Project ID:

Attn: Randy Geoffroy
 Air Quality Management Services, Inc.
 PO Box 2491
 Lewiston, ME 04241

Phone: (207) 657-7360
Fax:
Collected: 2/ 6/2018
Received: 2/07/2018
Analyzed: 2/08/2018

Proj: 18-079 / Portland

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: B1-Floor Tile **Lab Sample ID:** 621800259-0001

Sample Description: Floor Tile and Mastic Under Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: B1-Mastic **Lab Sample ID:** 621800259-0001A

Sample Description: Floor Tile and Mastic Under Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Brown	0.0%	100%	None Detected	

Client Sample ID: B2-Floor Tile **Lab Sample ID:** 621800259-0002

Sample Description: Floor Tile and Mastic Under Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: B2-Mastic **Lab Sample ID:** 621800259-0002A

Sample Description: Floor Tile and Mastic Under Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Brown	0.0%	100%	None Detected	

Client Sample ID: B3-Floor Tile **Lab Sample ID:** 621800259-0003

Sample Description: Floor Tile and Mastic Under Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: B3-Mastic **Lab Sample ID:** 621800259-0003A

Sample Description: Floor Tile and Mastic Under Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Brown	0.0%	100%	None Detected	

Client Sample ID: B4 **Lab Sample ID:** 621800259-0004

Sample Description: Linoleum in Electrical Panel Closet

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Tan	0.0%	100%	None Detected	

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EMSL Order ID: 521800259
 Customer ID: AIRQ51A
 Customer PO: 18-079
 Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: B5 **Lab Sample ID:** 621800259-0005
Sample Description: Linoleum in Electrical Panel Closet

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: B6 **Lab Sample ID:** 621800259-0006
Sample Description: Linoleum in Electrical Panel Closet

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: B7 **Lab Sample ID:** 621800259-0007
Sample Description: Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	White	0%	100%	None Detected	

Client Sample ID: B8 **Lab Sample ID:** 621800259-0008
Sample Description: Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	White	0%	100%	None Detected	

Client Sample ID: B9 **Lab Sample ID:** 621800259-0009
Sample Description: Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	White	0%	100%	None Detected	

Client Sample ID: B10 **Lab Sample ID:** 621800259-0010
Sample Description: Sheetrock

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	Gray	6%	94%	None Detected	

Client Sample ID: B11 **Lab Sample ID:** 621800259-0011
Sample Description: Sheetrock

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	Gray	6%	94%	None Detected	

Client Sample ID: B12 **Lab Sample ID:** 621800259-0012
Sample Description: Sheetrock

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	Gray	7%	93%	None Detected	

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EMSL Order ID: 521800259
 Customer ID: AIRQ51A
 Customer PO: 18-079
 Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: B13 Lab Sample ID: 621800259-0013

Sample Description: Roofing Rear Side

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Black	0.0%	87.0%	13.0% Chrysotile	

Client Sample ID: B14 Lab Sample ID: 621800259-0014

Sample Description: Roofing Rear Side

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018				Positive Stop (Not Analyzed)	

Client Sample ID: B15 Lab Sample ID: 621800259-0015

Sample Description: Roofing Rear Side

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018				Positive Stop (Not Analyzed)	

Client Sample ID: B16 Lab Sample ID: 621800259-0016

Sample Description: Roofing Main Building

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Black	0.0%	100%	<0.25% Chrysotile	

Client Sample ID: B17 Lab Sample ID: 621800259-0017

Sample Description: Roofing Main Building

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Black	0.0%	100%	<0.25% Chrysotile	

Client Sample ID: B18 Lab Sample ID: 621800259-0018

Sample Description: Roofing Main Building

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	2/08/2018	Black	0.0%	100%	<0.25% Chrysotile	

Client Sample ID: B19 Lab Sample ID: 621800259-0019

Sample Description: 2 x 4 Ceiling Tiles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	Gray	95%	5%	None Detected	

Client Sample ID: B20 Lab Sample ID: 621800259-0020

Sample Description: 2 x 4 Ceiling Tiles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	Gray	95%	5%	None Detected	

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EMSL Order ID:	521800259
Customer ID:	AIRQ51A
Customer PO:	18-079
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: B21

Lab Sample ID: 621800259-0021

Sample Description: 2 x 4 Ceiling Tiles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	2/08/2018	Gray	95%	5%	None Detected	

PLM: Maine Analyst Certification # BA-0178, BA-0174

PLM EPA NOB: Maine Analyst Certification # BA-0178, BA-0174

Analyst(s):

Stephen Severn	PLM (6) PLM Grav. Reduction (9)
Zackary Carbone	PLM (3) PLM Grav. Reduction (4)

Reviewed and approved by:

Christina Lentz, Laboratory Manager
 or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. South Portland, ME

Initial report from: 02/08/2018 10:20:40

Test Report: EPA Multi Tests-7.32.2.D Printed: 2/08/2018 10:20:AM