

December 09, 2013

Thomas A. Trainor, P.G. | Senior Environmental Geologist  
S. W. Cole Engineering, Inc.  
286 Portland Road  
Gray, ME 04039-9586

Re: Asbestos/Lead Demolition Impact Assessment, 118 Congress St, Portland, Maine.

Dear Mr. Trainor:

Abatement Professionals Corporation (APC) is providing you with the Asbestos/Lead bulk testing results for the samples collected from readily accessible building materials that may be impacted by demolition/renovations activities.

APC collected six (6) samples of suspect building materials that may be impacted by renovations/demolition activities. The building materials collected included multiple types of flooring, wall materials (were sheetrock and no samples required), ceiling materials (are open wood beams, no samples required), roofing materials, (are EDPM Rubber membrane and no sampling is required) and other miscellaneous suspect materials within the boundaries of the complex. Three (3) holes were bored into the concrete block and no visible insulation was noticed in the holes.. The MDEP Chapter 425 and USEPA has minimum sampling requirements for asbestos building material investigations. The requirements are as follows; If any of the asbestos materials test positive, then they must be removed and properly disposed of in accordance with the Maine DEP rules and regulations as outlined in their standard Chapter 425.

**Surfacing materials;** sprayed or applied by trowel and include fireproofing materials and various plasters. At least three bulk samples of surfacing materials were collected from each homogeneous area that was less than 1,000-square feet. Five bulk samples were collected for areas 1,000 to 5,000-square feet and seven bulk samples were collected for areas greater than 5,000-square feet.

**Thermal system insulation;** including boiler cover, pipe cover, and duct insulation were assessed. These materials were either assumed to be asbestos containing or were sampled as follows; At least three bulk samples of thermal system insulation from each homogenous area or at least one bulk sample from each homogeneous patched area if the section is less than six linear or square feet.

**Miscellaneous ACM;** includes a variety of ceiling tiles, floor tiles, and gypsum board. Sample quantities for miscellaneous ACM follow the same requirements as for the two previously mentioned ACM types.

The bulk samples were collected with standard sampling protocols, properly packaged, maintained and shipped to EMSL Analytical Laboratory, Westmont, New Jersey for analysis by Polarized Light Microscopy (PLM) specific to asbestos content by volume.

APC collected 2 sample groups of suspect homogenous building materials from the structures at the site that will likely be impacted by demolition/renovation activities.

**The bulk sample analysis indicates that the structure has NO regulated asbestos containing building materials in the following forms;**

118 Congress St - Asbestos

Asbestos Materials	Location	% Asbestos	Regulated
None	Floor tile	0	no

(See attached bulk sampling summary for more detailed information)

The bulk sample analysis indicates that there are no detectable levels of asbestos in a number of the suspect materials tested. Should any additional suspect building materials be found during any of the demolition/renovation work, the work should immediately stop until additional sampling can be conducted.

118 Congress Street, Lead Paints

Lead Materials	Location	Lead Paints	Regulated
None	throughout		No

The lead based paint materials that were checked showed no detected levels of lead based paints.

118 Congress Street, Universal Materials

Universal Materials	Location	Blubs, battery thermostats	Regulated
Light Tubes 8 Ft	Throughout	40 4 ft light bulbs	Yes
Battery units	Throughout	3	Yes
Light Ballasts	Throughout	NON-PCB	No
Thermostats	Throughout	3 mercury	Yes

We appreciate the opportunity to service your asbestos testing needs, should you require further bulk or air quality sampling please feel free to contact us at any time.

Very truly,

Robert W. Rickett Jr CIE,CMR  
President

0213000062



EMSL Analytical, Inc  
Revised 07/07/99

CHAIN OF CUSTODY

ASBESTOS

EMSL Rep: Denise

Third Party Billing requires written authorization from third party

Your Company Name: **Abatement Professionals Corp**  
**590 County Rd Suite #2**  
**Westbrook, Maine 04092**

EMSL- Bill to: **ABAT52**

Fax Results: **Robert Rickett**  
Fax Number **207-772-1203**  
Telephone #: **207-773-1276**

E-mail Results:  
[Bob@abatementprofessionals.com](mailto:Bob@abatementprofessionals.com)

Project 118 Congress st  
Name/Number: APC-2013-352

Purchase Order # **140**

MATRIX				TURNAROUND			
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Micro-Vac		<input type="checkbox"/> 3 Hrs	<input type="checkbox"/> 6 Hrs	<input type="checkbox"/> 12 Hrs *	<input type="checkbox"/> 1 Day
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Drinking Water				<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days
<input type="checkbox"/> Wipe	<input type="checkbox"/> Waste Water			<input checked="" type="checkbox"/> X 4 days			

NOB Testing for all floor tile samples, Please stop all sampling at a positive result.

<p><b>PCM- AIR</b></p> <input type="checkbox"/> NIOSH 7400 (A) Issue 2: August 1994 <input type="checkbox"/> OSHA w/TWA <input type="checkbox"/> Other:	<p><b>TEM-AIR</b></p> <input type="checkbox"/> AHERA 40 CFR, Part 763 Subpart E <input type="checkbox"/> NIOSH 7402 Issue 2 <input type="checkbox"/> EPA Level II	<p><b>TEM-WATER</b></p> <input type="checkbox"/> EPA 100.1 <input type="checkbox"/> EPA 100.2 <input type="checkbox"/> NYS 198.2
<p><b>PLM-Bulk</b></p> <input checked="" type="checkbox"/> EPA 600/R-93/116-Test Till Positive <input type="checkbox"/> EPA Point Count 400 <input type="checkbox"/> NY Stratified Point Count <input type="checkbox"/> PLM NOB (Gravimetric) NYS 198.1 <input type="checkbox"/> NIOSH 9002 <input type="checkbox"/> EMSL Standard Addition	<p><b>TEM-Bulk</b></p> <input type="checkbox"/> Drop Mount (Qualitative) <input type="checkbox"/> Chatfield SOP-1988-02 <input type="checkbox"/> TEM NOB (Gravimetric) NY 198.4 <input type="checkbox"/> EMSL Standard Addition	<p><b>TEM Micro Vac/wipe</b></p> <input type="checkbox"/> ASTM D 5755-95 <input type="checkbox"/> Wipe Qualitative
<p><b>SEM Air or Bulk</b></p> <input type="checkbox"/> Qualitative <input type="checkbox"/> Quantitative	<p><b>PLM Soil</b></p> <input type="checkbox"/> EPA Protocol Qualitative <input type="checkbox"/> EPA Protocol Quantitative <input type="checkbox"/> EMSL MSD 9000 Method fibers/gram	<p><b>XRD</b></p> <input type="checkbox"/> Asbestos <input type="checkbox"/> Silica NIOSH 7500
		<p><b>OTHER</b></p> <input type="checkbox"/>

Client Sample # (s) B-1-A- B-2-C  
Relinquished:

Total Sample #: 6

Date: 12-6-13 Time: 12:00pm

Received: [Signature]

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished: [Signature]

Date: 12-6-13 Time: 12:00PM

Received:

X4

**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](mailto:portlandlab@emsl.com)

EMSL Order:	621300062
CustomerID:	ABAT52
CustomerPO:	140
ProjectID:	

Attn: **Bob Rickett**  
**Abatement Professionals Corporation**  
**590 County Road**  
**Suite #2**  
**Westbrook, ME 04092**

Phone: (207) 773-1276  
 Fax: (207) 772-1203  
 Received: 12/06/13 12:37 PM  
 Analysis Date: 12/9/2013  
 Collected:

Project: 118 Congress St / APC-2013-352

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
B-1-A 621300062-0001 HA: 1	Floor Tile	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
B-1-B 621300062-0002 HA: 1	Floor Tile	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
B-1-C 621300062-0003 HA: 1	Floor Tile	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
B-2-A 621300062-0004 HA: 2	Floor Tile	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detected
B-2-B 621300062-0005 HA: 2	Floor Tile	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detected
B-2-C 621300062-0006 HA: 2	Floor Tile	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detected

ME Cert. # BA-0142 (C.W.)

Analyst(s)

Christina Walker (6)Christina Walker, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. This report contains data that is (are) not covered by the NVLAP accreditation. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

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

Initial report from 12/09/2013 09:38:29