



**Atlantic Environmental Contractors, Inc.**

81 East Avenue • Lewiston, ME 04240

Phone: 207-783-1908 • Fax: 207-376-3237

Web: [www.aecne.net](http://www.aecne.net)

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PM CONSTRUCTION CO.

## Asbestos Demolition Impact Survey Report

Demolition Project  
155 Sheridan St.  
Portland, Maine

Prepared for:  
PM Construction

Prepared by:

Frank Perry

Asbestos Inspector # AI-0628 exp. 12/01/2017

Atlantic Environmental Contractors, Inc.

81 East Ave.

Lewiston, Me.

Report date:

November 17, 2017

AEC Project #AEC1909



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## **1. Executive Summary**

The following asbestos demolition impact survey was conducted on November 10, 2017 by Peter Jabbusch and Frank Perry; both State of Maine licensed and certified Asbestos Inspectors. The structure surveyed was a two-story constructed single family dwelling and cellar.

Prior to commencement of the survey representatives of Atlantic Environmental Contractors, Inc. (AEC) conducted a visual inspection of the interior of the building and developed a site-specific sampling strategy in compliance with the Maine DEP Chapter 425 Regulations.

## **2. Scope Of Work**

The scope of the survey was to identify building materials that potentially contain regulated levels of asbestos prior to demolition of the structure. Materials with greater than 1% asbestos content are considered regulated asbestos containing building materials.

## **3. Methods and Sampling Strategy**

There are typically three types of suspect materials that must be sampled as part of a Demolition/Renovation Impact Survey:

- **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. The 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 and shipped to EMSL Analytical Laboratory South Portland, Maine for analysis by Polarized Light Microscopy (PLM) EPA method 600/R-93/116 and PLM NOB.



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155 Sheridan St.  
Portland, Maine

#### 4. Asbestos Sample Results

Five (5) sample groups were collected of the suspect building materials. The bulk sample analytical results indicate that there are NOT regulated asbestos containing materials that will be impacted by the renovation activities. The sample locations type of materials and analytical results are detailed below.

#### 155 Sheridan St., Portland, Maine

| Sample # | Location                      | Description               | Asbestos Content  |
|----------|-------------------------------|---------------------------|-------------------|
| B1A-C    | Kit. Floor                    | Linoleum                  | ND                |
| B2A-C    | Kit. Floor under Sub floor    | Vapor barrier             | .79% Chrysotile   |
| B3A-C    | Roofing under Metal           | Roofing Material          | <0.25% Chrysotile |
| B4A-C    | Exterior Under Vinyl          | Asphaltic Siding Material | ND                |
| B5A-C    | Exterior under Asphalt Siding | Vapor Barrier             | ND                |

Note: ND= None Detected (No asbestos content)

Should inaccessible materials be discovered during the demolition activities they should be assumed positive for asbestos content or sampled by a Licensed Asbestos Inspector prior to  
AEC recommends that the identified asbestos containing materials be removed by a State of Maine DEP licensed asbestos abatement contractor utilizing properly trained and certified personnel.

We appreciate the opportunity to assist you with this project, should you have any questions or comments please contact us at (207) 783-1908 .

Very Truly,

  
Frank Perry  
Asbestos Inspector

(AI-0628 ) Exp. 12.31.2017



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## **ANALYTICAL RESULTS**



# EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106

Tel/Fax: (207) 517-6921 / (207) 517-6922

<http://www.EMSL.com> / [portlandiab@emsl.com](mailto:portlandiab@emsl.com)

EMSL Order: 621701908

Customer ID: ATLN34

Customer PO: AEC1909

Project ID:

**Attention:** Frank Perry  
Atlantic Environmental Contractors, Inc.  
81 East Avenue Rear  
Lewiston, ME 04240

**Phone:** (207) 783-1908  
**Fax:** (207) 376-3237  
**Received Date:** 11/10/2017 11:22 AM  
**Analysis Date:** 11/13/2017 - 11/14/2017  
**Collected Date:** 11/10/2017

**Project:** SHERIDAN ST. / AEC1909

## 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       |
|-----------------------|---|---|-------------------|-----------------------|----------------------|
| B1A<br>621701908-0001 | KITCHEN FLOOR TOP LAYER. - LINOLEUM WHITE.      | White<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | No Asbestos Detected |
| B1B<br>621701908-0002 | KITCHEN FLOOR TOP LAYER. - LINOLEUM WHITE.      | White<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | No Asbestos Detected |
| B1C<br>621701908-0003 | KITCHEN FLOOR TOP LAYER. - LINOLEUM WHITE.      | White<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | No Asbestos Detected |
| B2A<br>621701908-0004 | KITCHEN FLOOR UNDER SUB LAYER. - VAPOR BARRIER. | Brown<br>Non-Fibrous<br>Homogeneous       | 99.2              | None                  | 0.79% Chrysotile     |
| B2B<br>621701908-0005 | KITCHEN FLOOR UNDER SUB LAYER. - VAPOR BARRIER. | Brown<br>Non-Fibrous<br>Homogeneous       | 99.4              | None                  | 0.63% Chrysotile     |
| B2C<br>621701908-0006 | KITCHEN FLOOR UNDER SUB LAYER. - VAPOR BARRIER. | Brown<br>Non-Fibrous<br>Homogeneous       | 99.7              | None                  | 0.33% Chrysotile     |
| B3A<br>621701908-0007 | ROOFING UNDER METAL. - ROOFING MATERIAL.        | Black<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | <0.25% Chrysotile    |
| B3B<br>621701908-0008 | ROOFING UNDER METAL. - ROOFING MATERIAL.        | Black<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | <0.25% Chrysotile    |
| B3C<br>621701908-0009 | ROOFING UNDER METAL. - ROOFING MATERIAL.        | Black<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | <0.25% Chrysotile    |
| B4A<br>621701908-0010 | EXTERIOR UNDER VINYL SIDING. - ASPHALT SIDING.  | Brown/Black<br>Non-Fibrous<br>Homogeneous | 100               | None                  | No Asbestos Detected |
| B4B<br>621701908-0011 | EXTERIOR UNDER VINYL SIDING. - ASPHALT SIDING.  | Brown/Black<br>Non-Fibrous<br>Homogeneous | 100               | None                  | No Asbestos Detected |
| B4C<br>621701908-0012 | EXTERIOR UNDER VINYL SIDING. - ASPHALT SIDING.  | Brown/Black<br>Non-Fibrous<br>Homogeneous | 100               | None                  | No Asbestos Detected |
| B5A<br>621701908-0013 | EXTERIOR UNDER ASPHALT SIDING. - VAPOR BARRIER. | Brown<br>Non-Fibrous<br>Homogeneous       | 100               | None                  | No Asbestos Detected |

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: 11/14/2017 09:46:51



# EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106

Tel/Fax: (207) 517-6921 / (207) 517-6922

<http://www.EMSL.com> / [portlandlab@emsl.com](mailto:portlandlab@emsl.com)

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**Collected Date:** 11/10/2017

**Project:** SHERIDAN ST. / AEC1909

## 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       |
|-----------------------|---|-------------------------------------|-------------------|-----------------------|----------------------|
| B5B<br>621701908-0014 | EXTERIOR UNDER ASPHALT SIDING. - VAPOR BARRIER. | Brown<br>Non-Fibrous<br>Homogeneous | 100               | None                  | No Asbestos Detected |
| B5C<br>621701908-0015 | EXTERIOR UNDER ASPHALT SIDING. - VAPOR BARRIER. | Brown<br>Non-Fibrous<br>Homogeneous | 100               | None                  | No Asbestos Detected |

Maine Analyst Certification # BA-0174, BA-0178

Analyst(s)

Stephen Severn (10)  
Zackary Carbee (5)

Christina Lentz, Laboratory Manager  
or other approved signatory

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

Initial report from: 11/14/2017 09:46:51



### Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

621701908

South Portland, ME 04106

(207) 517-6921

(207) 517-6922

EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS DIVISION

|  |                    |   |                         |
|--|--------------------|---|-------------------------|
| Company : Atlantic Environmental Contractors |                    | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different<br><small>If Bill to is Different note instructions in Comments**</small> |                         |
| Street: 81 East Ave. Rear                    |                    | <i>Third Party Billing requires written authorization from third party</i>  |                         |
| City: Lewiston                               | State/Province: ME | Zip/Postal Code: 04240  | Country: US             |
| Report To (Name): Frank Perry                |                    | Telephone #: 2077831908   |                         |
| Email Address: fperry@aecne.net              |                    | Fax #: 2073763237   | Purchase Order: AEC1909 |
| Project Name/Number: 100 Sheridan St.        |                    | Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail  |                         |
| U.S. State Samples Taken: ME                 |                    | CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt   |                         |

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  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.

**PLM - Bulk (reporting limit)**

**TEM - Bulk**

- PLM EPA 600/R-93/116 (<1%)
- PLM EPA NOB (<1%)
- Point Count  400 (<0.25%)  1000 (<0.1%)
- Point Count w/Gravimetric  400 (<0.25%)  1000 (<0.1%)
- NIOSH 9002 (<1%)
- NY ELAP Method 198.1 (friable in NY)
- NY ELAP Method 198.6 NOB (non-friable-NY)
- OSHA ID-191 Modified
- Standard Addition Method

- TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1
- NY ELAP Method 198.4 (TEM)
- Chatfield Protocol (semi-quantitative)
- TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2
- TEM Qualitative via Filtration Prep Technique
- TEM Qualitative via Drop Mount Prep Technique

**Other**

Check For Positive Stop - Clearly Identify Homogenous Group      Date Sampled: November 10, 2017

Samplers Name: Frank Perry

Samplers Signature:

| Sample # | HA # | Sample Location               | Material Description |
|----------|------|-------------------------------|----------------------|
| B1A-C    |      | Kitchen Floor Top Layer       | Linoleum White       |
| B2A-C    |      | Kitchen Floor under Subfloor  | Vapour Barrier       |
| B3A-C    |      | Roofing under Metal           | Roofing Material     |
| B4A-C    |      | Exterior under Vinyl Siding   | Asphalt Siding       |
| B5A-C    |      | Exterior under Asphalt Siding | Vapour Barrier       |
|          |      |                               |                      |
|          |      |                               |                      |
|          |      |                               |                      |
|          |      |                               |                      |
|          |      |                               |                      |



|  |                                    |
|--|------------------------------------|
| Client Sample # (s): B1A - B5C   | Total # of Samples: 15             |
| Relinquished (Client): AEC   | Date: 11/10/17      Time: 11:00 AM |
| Received (Lab):  | Date: 11/10/17      Time: 11:22 AM |
| Comments/Special Instructions: 12 HR TAT Per Frank Perry on 11/10/17 @ 11:22am |                                    |