



**Request for Proposals  
Acquisition and Rehabilitation of  
130 Thirteenth Street  
Proposal No.: P16-009**

**Purchasing Department  
73 Harlow Street  
Bangor, Maine 04401  
207-992-4282**

**Issue Date: September 24, 2015**

## **I. Introduction**

The City of Bangor is requesting proposals for the acquisition and rehabilitation of a property located at 130 Thirteenth Street, Bangor, Maine. The property consists of a single family home on a lot with approximately 36 feet of frontage and has a total lot area of approximately 4,800 square feet or .11 acre. The building is dilapidated and needs extensive rehabilitation. This property is zoned URD-1.

The City took possession of the property at 130 Thirteenth Street (012-052) in Bangor for unpaid taxes. The City will issue a municipal quitclaim deed, releasing to the purchaser any interest the City may have in the property, except for public easements, e.g. for utilities. As a quitclaim deed, the deed will provide no warranty as to the status of the title of the property.

The objective is to correct a blighting condition which detracts from the surrounding neighborhood, to maintain taxable property whenever possible, and to retain needed affordable housing through the rehabilitation of housing whenever feasible. The City will consider the demolition of the structure and replacement with a single family home, though the City's preference is for the rehabilitation of the existing home. In any event, any proposal for demolition and replacement of the existing home must comply with the requirements set forth in this Request.

## **II. Submission**

To be considered, return the Proposal in an envelope **clearly** marked "**Proposal No.: P16-009: Acquisition and Rehabilitation of 130 Thirteenth Street** " by **2:00 PM, Wednesday, October 21, 2015** to City of Bangor, Purchasing Department, 73 Harlow Street, Bangor, Maine 04401.

Proposals may also be submitted via email by sending to: [bids@bangormaine.gov](mailto:bids@bangormaine.gov). If emailing, please reference "**Proposal No.: P16-009: Acquisition and Rehabilitation of 130 Thirteenth Street**" in the subject line. Proposals will be publicly opened at the time stated above.

### **III. General Information**

General information is available on the City's website at the following web address: [www.bangormaine.gov/proposals](http://www.bangormaine.gov/proposals). By submitting a response to this solicitation, the bidder accepts the responsibility for downloading, reading and bidding by the terms and conditions set forth in the City's "General Information for Vendors".

### **IV. Questions**

Any questions must be directed in writing to [bids@bangormaine.gov](mailto:bids@bangormaine.gov) no later than 4:30 p.m., **Monday, October 5, 2015**.

The City will issue a response to any questions or inquiries submitted in writing by the date above, on or before 4:30 PM, **Wednesday, October 7, 2015**. The response will be in the form of an addendum, which will be available on the City's website.

### **V. Site Visit**

Site visits will be made possible upon request. All requests should be directed to Jeff Wallace, Housing Rehabilitation Coordinator, at 207-992-4500. All other questions/inquires shall be directed to [bids@bangormaine.gov](mailto:bids@bangormaine.gov).

### **VI. Submission Requirements**

Proposals are to be written and presented in the following format and must be submitted with the bid form. Attached are photos of the property and a completed Hazardous Materials Assessment for review. Respondents are to address all questions asked and provide a sufficient level of detail to enable evaluation of the proposal.

#### **A. Proposer**

Indicate the name, address, telephone number and email address of the contact person representing the Proposer(s).

#### **B. Proposal Summary**

Summarize the principal elements of the rehabilitation plan providing:

- a. A description of the proposed reuse of the rehabilitated property; and

- b. A plan that illustrates proposed changes in the property sufficient to identify any change from the existing layout of the property; and
- c. Estimated improvement costs associated with the rehabilitation; and
- d. A brief overview of how the proposal will be implemented.

### **C. Proposed Timeline**

The proposed timeline for completing the rehabilitation of the property from the date the proposal is awarded, which at a minimum must include the following:

- a. Within Thirty (30) Days – Execution of purchase and sale agreement.
- b. Within One (1) Year - The home must receive its final Certificate of Occupancy.

### **D. Statements of Assurance**

Proposers must positively affirm that the following conditions will be adhered to:

- a. Compliance with Local, State and Federal Regulations – All work performed shall be in compliance with applicable local, state and federal regulations, including but not limited to permitting, building codes, asbestos removal, etc; and
- b. Site Requirements – Throughout the duration of the project, the site must be adequately secured at all times and free of trash and debris. Beginning on day fifteen (15) and beyond, vegetation must be maintained at an appropriate height; and
- c. Single Family Home – This property will remain a single family home and the ultimate goal of this project will be for the property to be to an owner occupied structure; and
- d. As-Is-Where-Is – The purchase and sale agreement for this property will be as-is-where-is.

### **E. Financial Considerations**

Proposers must submit a purchase price, a 10% deposit, as well as provide information related to their financial capacity to undertake the proposed project. All proposals must include the following:

- a. Purchase Price – minimum purchase price has been set at \$7,000; and

- b. 10% Deposit - 10% of the proposed purchase price must be submitted as part of the proposal; and
- c. Financing Plan – 1) If the project will be self-finance via existing personal/company assets, adequate documentation must be provided to clearly show financial capacity. In the case of self-financing, the proposer must affirm their understanding that the City and the proposer will enter into a Development Agreement that will include a provision for the transfer of title to the property. 2) If the project will be financed via a financial institution, the proposer must provide a commitment letter from the financial institution that indicates the commitment meets all conditions of the proposers' response. The City and proposer will enter into a Development Agreement that will include a provision for the transfer of title to the property.

#### **F. Experience/References**

Please provide a listing of previously completed projects, similar to the project proposed. Provide the name and location of each project, names and contact information of references for each, as well as enough detail about each project to enable a comparison to this project.

#### **VII. Evaluation/Selection Criteria**

Each proposal will be evaluated based upon the following criteria:

1. Experience and Qualifications;
2. Financial Capacity;
3. Proposed timeline;
4. Purchase price offered.



**Request for Proposals**  
**Acquisition & Rehab of 130 Thirteenth St.**  
**RFP No.: P16-009**

**Purchasing Department**  
**73 Harlow Street**  
**Bangor, Maine 04401**  
**207-992-4282**

**Note:** Services must be proposed in accordance with specifications listed above and with this Bid Form. Failure to comply with the above may result in disqualification.

Item	Description	Qty.	Total Price
1	Purchase Price Offered	Lump Sum	\$ _____

<b>Business Name:</b>			
<b>Street or PO Box</b>			
<b>City, State, Zip</b>			
<b>Telephone Number</b>			
<b>Fax Number</b>			
<b>Email Address</b>			
<b>Contact Name</b>			
<b>Title</b>	<b>Date</b>		



02 13 2015



02 13 2015



02 13 2015



02 13 2015



02 12 2015



02 12 2015

July 8, 2015

Mr. Jeff Wallace  
Housing Rehabilitation Coordinator  
Community Development Division  
City of Bangor  
73 Harlow Street  
Bangor, Maine 04401

**Re: Hazardous Materials Assessment | 130 Thirteenth Street | Bangor, Maine**

Dear Mr. Wallace:

At your request, CES, Inc. (CES) completed a Hazardous Materials Assessment of the residential structure located at 130 Thirteenth Street in Bangor, Maine to support the planned demolition project. This Hazardous Materials Assessment included the completion of an asbestos demolition impact survey and potential hazardous materials and Universal Wastes inventory for the building.

**ASBESTOS DEMOLITION IMPACT SURVEY**

The asbestos demolition impact survey was conducted in accordance with the Maine Department of Environmental Protection (MDEP) Chapter 425 Asbestos Management Regulations (April 3, 2011 revision) and was completed to provide the City of Bangor with information regarding the presence of Asbestos-Containing Materials (ACM) within the interior and on the exterior of the building impacted by the planned demolition project. Ms. Deborah Kasik (CES), an asbestos inspector licensed by the MDEP (AI#-0177), performed the field survey on June 9, 2015. A copy of Ms. Kasik's Asbestos Inspector certification is included in **Attachment A**.

Completion of the asbestos demolition impact survey included:

- ◆ Visual identification of suspect ACM on the interior and exterior of the building;
- ◆ Collection of bulk samples of suspect ACM from the interior and exterior of the building in accordance with MDEP regulations; and
- ◆ Quantification of ACM identified by laboratory analysis.

Mr. Jeff Wallace | 07.08.2015 | 10271.008 | Page 1

As with any scientific study, a demolition impact survey is subject to a variety of limitations. Limitations to be considered in interpreting the results of the survey performed on this building include the following:

- ◆ Variations in building materials used during construction and subsequent renovations; and
- ◆ Inaccessible areas within wall cavities and above solid ceilings.

The following is a summary of field findings and laboratory analytical results of the survey.

Forty-five (44) samples of identified suspect ACM were collected from the interior and exterior of the structure. Suspect materials sampled included:

- ◆ Six types of sheet flooring;
- ◆ Wall paneling adhesive;
- ◆ Sheetrock wall board;
- ◆ Asphalt vapor barrier;
- ◆ Vermiculite insulation;
- ◆ Refractory cement on chimney;
- ◆ Exterior window glazing;
- ◆ Cementitious shingle siding;
- ◆ Felt paper beneath shingle siding; and
- ◆ Two types of asphalt roofing shingles.

Bulk samples of suspect ACM collected during the survey were submitted to EMSL Analytical, Inc. (EMSL) of South Portland, Maine for analysis. Bulk samples collected during this survey (with the exception of the vermiculite insulation) were analyzed using the MDEP required analytical methods: “PLM-EPA 600/R-93/116” (for surfacing, thermal system insulation, and cementitious materials) and “PLM NOB-EPA 600/R-93/116” (for non-friable organically bound materials (NOBs)) (e.g., floor tile, adhesives, and roofing) with “gravimetric reduction”. The vermiculite attic insulation was submitted to EMSL Headquarters in Cinnaminson, New Jersey for “PLM Carb 435 Level B analysis”. Samples were analyzed at the EMSL laboratory, which is certified to perform asbestos analysis by both the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA). EMSL is a MDEP licensed Asbestos Analytical Laboratory. A copy of EMSL’s laboratory certifications is included in **Attachment B**. Laboratory analytical results and chain of custodies are included as **Attachment C**.

According to the MDEP Chapter 425 Asbestos Management Regulations, bulk samples shall be analyzed until a positive result is obtained or all samples have been analyzed. The MDEP defines ACM as “any material containing asbestos in quantities greater than or equal to one percent (%) by volume as determined by weight, visual evaluation, and/or point count analysis.”

ACM identified by laboratory analysis consisted of:

- ◆ Cream with brown patterned sheet flooring (13-002A);
- ◆ Cementitious shingle siding (Sample 13-012A); and
- ◆ Asphalt roofing shingles (Sample 13-015A).

A summary of identified ACM, including location is presented in **Table 1**:

**TABLE 1 | ASBESTOS-CONTAINING MATERIALS – 130 THIRTEENTH STREET**

Location	Sample Number	Quantity	Unit Cost	Total Cost	ACM Material
Interior; Room #3 (Kitchen)	13-002A	100 Square Feet (SF)	\$8/SF	\$800	Cream with brown patterned sheet flooring
Exterior	13-012A	1,020 SF	\$6/SF	\$6,120	Cementitious shingle siding over non-ACM asphalt shingle siding (includes ACM cement shingles along interior garage walls)
Exterior – Shed/Garage	13-015A	330 SF	\$4/SF	\$1,320	Asphalt roofing shingles
<b>Estimated Total Abatement Cost:</b>				<b>\$8,240</b>	

## POTENTIAL HAZARDOUS MATERIALS AND UNIVERSAL WASTE

CES evaluated the interior and exterior of the structure for the presence of potential hazardous materials and Universal Wastes. An inventory of identified materials and associated budgetary cost estimates for removal and disposal are presented in Table 2:

**TABLE 2 | POTENTIAL HAZARDOUS MATERIALS AND UNIVERSAL WASTE – 130 THIRTEENTH STREET**

Identified Material	Estimated Quantity	Unit Cost	Remediation Cost
Mercury-Containing Thermostats	1 Each (EA)	\$10/EA	\$10
Above ground Storage Tank (AST)	1 EA	\$1,000/EA	\$1,000
Transportation	1 Pickup	\$1000/pickup	\$1,000
Labor	1 Man Days (MD)	\$500/MD	\$500
<b>Estimated Total Remediation Cost:</b>			<b>\$2,510</b>

Hazardous materials in the form of potential Universal Wastes (mercury-containing thermostats) were observed within the structure. When removed for disposal, mercury-containing thermostats are considered a Universal Waste and must be properly handled, packaged, and disposed. The contents of the heating oil above ground storage tank (AST) should be removed for re-use or recycling prior to moving of the ASTs and the ASTs re-used or recycled.

CES completed a Hazardous Materials Assessment of the residential structure located at 130 Thirteenth Street in Bangor, Maine to support the planned demolition project. This assessment included the completion of an asbestos demolition impact survey and potential hazardous materials and Universal Wastes inventory for the structure. ACM was identified on the interior and exterior of the structure and is summarized in Table 1. Potential hazardous wastes and Universal Wastes identified on the interior of the structure are present and are summarized in Table 2.

This report was prepared by CES for the sole use of the City of Bangor and its constituents, and should not be reproduced without the City of Bangor's full, written authorization. Please contact us at (207) 989-4824 if you have any questions related to this project or if additional services are required.

Sincerely,  
CES, Inc.

A handwritten signature in blue ink that reads "Deborah A. Kasik".

Deborah A. Kasik  
Project Scientist  
MDEP Asbestos Inspector AI-0177

A handwritten signature in blue ink that reads "Dennis B. Kingman, Jr.".

Dennis B. Kingman, Jr.; CHMM, VP  
Senior Project Manager

DAK/DBK/jok  
Attachments

*ATTACHMENTS*

*ATTACHMENT A*

ASBESTOS INSPECTOR CERTIFICATIONS

# Maine Labor Group on Health

## Asbestos Abatement Inspector Refresher Training

This is to Certify that

Deborah A. Kasik

Has Met the Attendance Requirements and Successfully Completed the Exam and the  
1/2 Day 4 Hour, Curriculum Course Entitled Asbestos Abatement Inspector Refresher Course, for  
accreditation under TSCA Title II

March 13, 2015



Executive Director and Design Consultant  
Maine Labor Group on Health

Registered Certificate:  
2015 ASB 0040  
Expiration: 3-15-2016  
Exam Score: 92  
Exam Date: 3-15-2015  
Course Location: Auburn, ME.

MLGH \* P.O. Box 5197 \* Augusta, ME 04332 \* 207-622-7823 \* mlgh@gwi.net



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE  
GOVERNOR

PATRICIA W. AHO  
COMMISSIONER

March 19, 2015

**CES, Inc.**  
465 S. Main Street  
Brewer, Maine 04412

Dear Licensee:

Asbestos application(s) for individual certification of the **two** employee(s) listed below have been received and **approved**. Individual certification numbers are listed below and wallet card(s) are enclosed. Card(s) are property of the individual to whom each is issued. Your responsibility as a licensee is to ensure delivery of the cards to persons in your employment. This letter should be retained for your company files as record of certification.

**Remember**, in Maine all **certified employees** working on an asbestos abatement project, whether conducting removal/repair, air monitoring, design, inspection, or analysis functions, **must work for a State of Maine licensed asbestos firm** and carry his/her wallet card(s) on the job site.

As a reminder, prior to renewing your asbestos certification, the State of Maine **requires** an annual refresher course to be taken before submitting a renewal application. A certificate shall expire one year from the last day of the month from the date of issuance, **or on the last day of the month that the training certificate expires**, whichever is sooner.

All our asbestos forms can be found at <http://www.maine.gov/dep/rwm/asbestos/newupdatedformsasb.htm>. Thank you for your cooperation and your completed application(s).

<u>Name</u>	<u>Category</u>	<u>Certification #</u>	<u>Exp. Date</u>
Deborah A. Kasik	Inspector	AI-0177	03/31/2016
Deborah A. Kasik	Management Planner	MP-0178	03/31/2016

Sincerely,

Sandra J. Moody, Environmental Technician  
Division of Remediation  
Bureau of Remediation and Waste Management

AUGUSTA  
17 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0017  
(207) 287-7688 FAX: (207) 287-7826  
RAY BLDG., HOSPITAL ST.

BANGOR  
106 HOGAN ROAD, SUITE 6  
BANGOR, MAINE 04401  
(207) 941-4570 FAX: (207) 941-4584

PORTLAND  
312 CANCO  
PORTLAND  
(207) 822-631

web site: [www.maine.gov/dep](http://www.maine.gov/dep)

**State of Maine**  
Asbestos Abatement Program  
**Deborah A. Kasik**  
*Inspector*  
Cert 1: AI-0177  
Trn.Exp.Date 03/13/2016  
*Management Planner*  
Cert 2: MP-0178  
Trn.2.Exp.Date 03/13/2016  
Expiration Date 03/31/2016




This is not a legal form of official identification

*ATTACHMENT B*

ASBESTOS ANALYTICAL LABORATORY CERTIFICATIONS



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

#### **LABORATORY ACCREDITATION PROGRAMS**

- |   |                                   |
|---|-----------------------------------|
| <input checked="" type="checkbox"/> <b>INDUSTRIAL HYGIENE</b>         | Accreditation Expires: 09/01/2016 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL LEAD</b>         | Accreditation Expires: 09/01/2016 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL MICROBIOLOGY</b> | Accreditation Expires: 09/01/2016 |
| <input type="checkbox"/> <b>FOOD</b>                                  | Accreditation Expires:            |
| <input type="checkbox"/> <b>UNIQUE SCOPES</b>                         | Accreditation Expires:            |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

Gerald Schultz, CIH  
Chairperson, Analytical Accreditation Board

Cheryl O. Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 10/31/2014



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

### **EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**

Issue Date: 10/31/2014

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

### **Environmental Lead Laboratory Accreditation Program (ELLAP)**

**Initial Accreditation Date: 01/18/1995**

Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
<b>Paint</b>	EPA SW-846 3050B	
	EPA SW-846 7000B	
<b>Soil</b>	EPA SW-846 3050B	
	EPA SW-846 7000B	
<b>Settled Dust by Wipe</b>	EPA SW-846 3050B	
	EPA SW-846 7000B	
<b>Airborne Dust</b>	NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**EMSL Analytical, Inc.**  
200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**  
Issue Date: 07/31/2012

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

### Industrial Hygiene Laboratory Accreditation Program (IHLAP)

**Initial Accreditation Date: 02/01/1989**

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
<b>Chromatography Core</b>	Gas Chromatography	GC/ FID	NIOSH 1003	
			NIOSH 1005	
			NIOSH 1400	
			NIOSH 1500	
			NIOSH 1550	
			NIOSH 1603	
		GC/ECD	NIOSH 5502	
			NIOSH 5503	
			NIOSH 5510	
			OSHA 1010	
	GC/NPD	NIOSH 2551		
	GC/MS	EPA TO-15		
	Gas Chromatography (Diffusive Samplers)	NIOSH 1501		
	Ion Chromatography (IC)		NIOSH 6004	
			NIOSH 6011	
			NIOSH 7903	
			OSHA ID-214	
OSHA ID-215				
Liquid Chromatography	HPLC/FL	NIOSH 5506		
	HPLC/UV	NIOSH 2016		

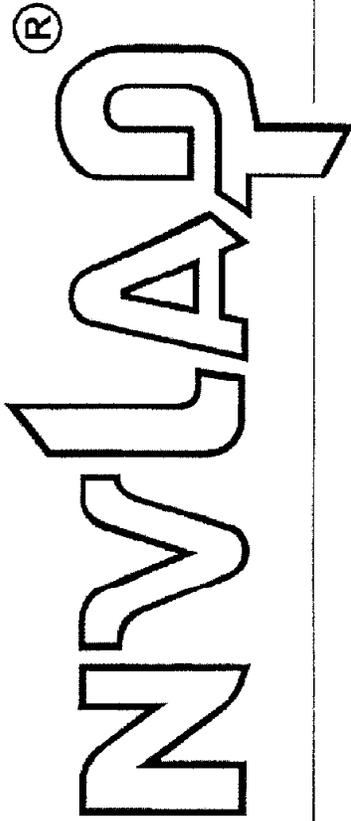


IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte (for internal methods only)	
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009		
			OSHA ID-145	SOP LM-015	
			OSHA ID-145	SOP LM-013	
		FAA	NIOSH 7082		
			GFAA	NIOSH 7105	
	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified		
		ICP/AES	NIOSH 7300		
	X-ray Diffraction (XRD)		NIOSH 7500		
		OSHA ID-142			
UV/VIS (Colorimetric)		NIOSH 6010			
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		EPA 600/R-93/116		
	Phase Contrast Microscopy (PCM)		NIOSH 7400		
	Transmission Electron Microscopy (TEM)		EPA AHERA - 40 CFR Part 763		
		NIOSH 7402			
Miscellaneous Core	Gravimetric		NIOSH 0500		
			NIOSH 0600		
			NIOSH 5524		
	Thermo-optical Analysis (TOA)		NIOSH 5040		

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>✓ AIHA-PAT Programs, LLC IHPAT Metals</li> <li>✓ AIHA-PAT Programs, LLC IHPAT Organic Solvents</li> <li>✓ AIHA-PAT Programs, LLC IHPAT Silica</li> <li>✓ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (3M)</li> <li>☐ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (SKC)</li> <li>☐ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (AT)</li> <li>✓ AIHA-PAT Programs, LLC IHPAT Asbestos</li> <li>☐ AIHA-PAT Programs, LLC Bulk Asbestos (BAPAT)</li> <li>☐ AIHA-PAT Programs, LLC Beryllium (BePAT)</li> <li>✓ HSE Workplace Analytical Scheme for Proficiency (WASP) (Formaldehyde)</li> <li>☐ HSE Workplace Analytical Scheme for Proficiency (WASP) (Thermal Desorption Tubes)</li> </ul> | <ul style="list-style-type: none"> <li>☐ Pharmaceutical Round Robin</li> <li>☐ Compressed/Breathing Air Round Robin</li> <li>✓ National Voluntary Laboratory Accreditation Program (NVLAP - determined at the time of site assessment)</li> <li>☐ New York State Department of Health (NYS DOH – PCM and TEM)</li> <li>✓ ERA Air and Emissions standards for indoor air quality</li> <li>☐ Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, formerly BGIA)</li> <li>☐ Institut de Recherche Robert-Sauvé en Santé et en Sécurité du Travail (IRSST)</li> </ul> |
|--|--|

United States Department of Commerce  
National Institute of Standards and Technology



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## Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 500094-0

**EMSL Analytical, Inc.**  
South Portland, ME

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### **AIRBORNE ASBESTOS FIBER ANALYSIS**

This laboratory is accredited in accordance with the recognized international Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2014-10-01 through 2015-09-30

Effective dates



A handwritten signature in black ink, appearing to read "Mark R. M. L. D.", written over a horizontal line.

For the National Institute of Standards and Technology



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**EMSL Analytical, Inc.**  
 161 John Roberts Road  
 South Portland, ME 04106  
 Ms. Christina Walker  
 Phone: 207-517-6921 Fax: 207-517-6922  
 E-Mail: cwalker@emsl.com  
 URL: www.emsl.com

**AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)**

**NVLAP LAB CODE 500094-0**

*NVLAP Code Designation / Description*

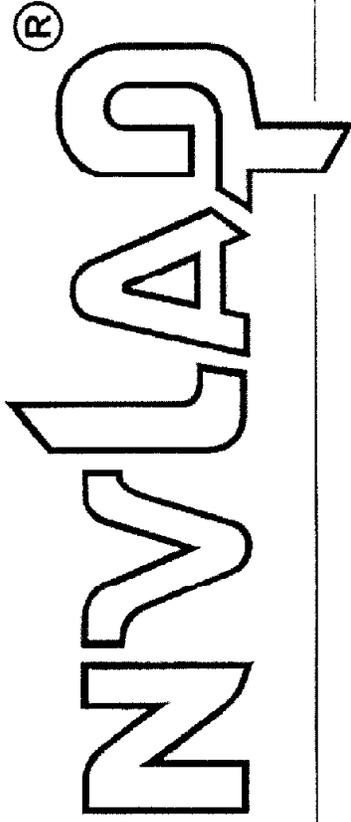
18/A02 U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2014-10-01 through 2015-09-30

*Effective dates*

*For the National Institute of Standards and Technology*

United States Department of Commerce  
National Institute of Standards and Technology



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## Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 500094-0

**EMSL Analytical, Inc.**  
South Portland, ME

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### **BULK ASBESTOS FIBER ANALYSIS**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2014-10-01 through 2015-09-30

Effective dates

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A handwritten signature in black ink, appearing to read "Michael R. M. L. D.".

For the National Institute of Standards and Technology



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**EMSL Analytical, Inc.**  
 161 John Roberts Road  
 South Portland, ME 04106  
 Ms. Christina Walker  
 Phone: 207-517-6921 Fax: 207-517-6922  
 E-Mail: cwalker@emsl.com  
 URL: www.emsl.com

**BULK ASBESTOS FIBER ANALYSIS (PLM)**

**NVLAP LAB CODE 500094-0**

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2014-10-01 through 2015-09-30

*Effective dates*

*For the National Institute of Standards and Technology*



State of Maine  
Department of Environmental Protection

*LICENSE*

EMSL Analytical, Inc.

Asbestos Analytical Laboratory  
(Bulk)

License Number: LB-0039

Expiration Date: 10/31/2015



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE  
GOVERNOR

PATRICIA W. AHO  
COMMISSIONER

October 31, 2014

Attn: Bonnie Soules, QA Administrator  
EMSL Analytical, Inc.  
24 West Steuben St., Ste. 102  
Bath, NY 14810

Dear Ms. Soules,

This is to confirm that the Maine Department of Environmental Protection is in receipt of your request to add the following labs to your licensing of Analytical Laboratories: Buffalo, New York; New York, New York; Carle Place, New York; Wallingford, CT; Piscataway, New Jersey, Woburn, MA. and **South Portland, Maine**.

LA-0038 for Asbestos Analytical Laboratory (Air), expires on 10/31/2015  
LB-0039 for Asbestos Analytical Laboratory (Bulk), expires on 10/31/2015

Remember each laboratory must have certified individual(s) within the lab to perform analyses.

If you need any further assistance please feel free to contact me at (207) 287-7751 or e-mail at [sandy.j.moody@maine.gov](mailto:sandy.j.moody@maine.gov).

Sincerely,

Sandra J. Moody, Environmental Technician  
Division of Remediation  
Bureau of Remediation and Waste Management

AUGUSTA  
17 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0017  
(207) 287-7688 FAX: (207) 287-7826  
RAY BLDG., HOSPITAL ST.

BANGOR  
106 HOGAN ROAD, SUITE 6  
BANGOR, MAINE 04401  
(207) 941-4570 FAX: (207) 941-4584

PORTLAND  
312 CANCO ROAD  
PORTLAND, MAINE 04103  
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE  
1235 CENTRAL DRIVE, SKYWAY PARK  
PRESQUE ISLE, MAINE 04679-2094  
(207) 764-0477 FAX: (207) 760-3143

***EMPLOYEE (INDIVIDUAL) STATE CERTIFICATIONS***

State of Maine

March 12, 2015

<b><i>Employee Name</i></b>	<b><i>Lab Location</i></b>	<b><i>State Certified</i></b>	<b><i>Certification No.</i></b>	<b><i>Type of Cert.</i></b>	<b><i>Exp. Date</i></b>
Alex Maxinoski	Portland	Maine	BA-0150	Bulk Asbestos Analyst	12/31/2015
Leslie McCluskey-Eissing	Portland	Maine	AA-0449	Air Asbestos Analyst	06/30/2015
Leslie McCluskey-Eissing	Portland	Maine	BA-0123	Bulk Asbestos Analyst	06/30/2015
Joshua Snyder	Portland	Maine	BA-0155	Bulk Asbestos Analyst	08/31/2015
Christina Walker	Portland	Maine	AA-0439	Air Asbestos Analyst	07/31/2015
Christina Walker	Portland	Maine	BA-0142	Bulk Asbestos Analyst	07/31/2015

*ATTACHMENT C*

ASBESTOS LABORATORY ANALYTICAL RESULTS



# 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 ID: 621501037  
Customer ID: CESI62  
Customer PO: 10271.008  
Project ID:

**Attn:** Deb Kasik  
CES/Summit Environmental Consultants  
465 South Main Street  
Brewer, ME 04412  
**Phone:** (207) 989-4824  
**Fax:** (207) 989-4881  
**Collected:** 6/ 9/2015  
**Received:** 6/11/2015  
**Analyzed:** 6/16/2015  
**Proj:** 10271.008 / 130 13TH ST, BANGOR

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 13-001A **Lab Sample ID:** 621501037-0001

**Sample Description:** RM #1 LIVING (1ST FL)/BROWN FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-001B **Lab Sample ID:** 621501037-0002

**Sample Description:** RM #1 LIVING (1ST FL)/BROWN FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-001C **Lab Sample ID:** 621501037-0003

**Sample Description:** RM #1 LIVING (1ST FL)/BROWN FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-002A **Lab Sample ID:** 621501037-0004

**Sample Description:** 1ST FL RM #3 KITCHEN/CREAM W/BROWN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Tan	0.0%	93.0%	7.0% Chrysotile	

**Client Sample ID:** 13-002B **Lab Sample ID:** 621501037-0005

**Sample Description:** 1ST FL RM #3 KITCHEN/CREAM W/BROWN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015					Positive Stop (Not Analyzed)

**Client Sample ID:** 13-002C **Lab Sample ID:** 621501037-0006

**Sample Description:** 1ST FL RM #3 KITCHEN/CREAM W/BROWN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015					Positive Stop (Not Analyzed)

**Client Sample ID:** 13-003A **Lab Sample ID:** 621501037-0007

**Sample Description:** 1ST FL RM #2 BATHROOM/MULTICOLOR SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	3.3%	96.7%	None Detected	



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EMSL Order ID: 621501037  
Customer ID: CESI62  
Customer PO: 10271.008  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 13-003B **Lab Sample ID:** 621501037-0008  
**Sample Description:** 1ST FL RM #2 BATHROOM/MULTICOLOR SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	2.9%	97.1%	None Detected	

**Client Sample ID:** 13-003C **Lab Sample ID:** 621501037-0009  
**Sample Description:** 1ST FL RM #2 BATHROOM/MULTICOLOR SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Brown/Black	2.0%	98.0%	None Detected	

**Client Sample ID:** 13-004A **Lab Sample ID:** 621501037-0010  
**Sample Description:** 1ST FL RM #4 REAR RM/TAN/BLACK FLOWER SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Tan/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-004B **Lab Sample ID:** 621501037-0011  
**Sample Description:** 1ST FL RM #4 REAR RM/TAN/BLACK FLOWER SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Tan/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-004C **Lab Sample ID:** 621501037-0012  
**Sample Description:** 1ST FL RM #4 REAR RM/TAN/BLACK FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Tan/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-005A **Lab Sample ID:** 621501037-0013  
**Sample Description:** 1ST FL RM #5 MUD RM/GRAY/PINK/BLUE SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-005B **Lab Sample ID:** 621501037-0014  
**Sample Description:** 1ST FL RM #5 MUD RM/GRAY/PINK/BLUE SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-005C **Lab Sample ID:** 621501037-0015  
**Sample Description:** 2ND FL RM #8 HALL/GRAY/PINK/BLUE SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Brown/Black	0.0%	100%	None Detected	



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EMSL Order ID: 621501037  
Customer ID: CESI62  
Customer PO: 10271.008  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 13-006A **Lab Sample ID:** 621501037-0016

**Sample Description:** 1ST FL RM #5 MUD RM/2ND & 3RD ASPHALT LAYERS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-007A **Lab Sample ID:** 621501037-0017

**Sample Description:** 2ND FL RM #6 (FRONT BED RM)/BLUE FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-007B **Lab Sample ID:** 621501037-0018

**Sample Description:** 2ND FL RM #6 (FRONT BED RM)/BLUE FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-007C **Lab Sample ID:** 621501037-0019

**Sample Description:** 2ND FL RM #6 (FRONT BED RM)/BLUE FLOWER PATTERN SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-008A **Lab Sample ID:** 621501037-0020

**Sample Description:** 1ST FL RM #1 LIVING RM/SHEETROCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/11/2015	Gray/White	10%	90%	None Detected	

**Client Sample ID:** 13-008B **Lab Sample ID:** 621501037-0021

**Sample Description:** 1ST FL RM #4 REAR RM/SHEETROCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/11/2015	Gray/White	10%	90%	None Detected	

**Client Sample ID:** 13-008C **Lab Sample ID:** 621501037-0022

**Sample Description:** 2ND FL RM #7 REAR BED RM/SHEETROCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2015	Brown/White	15%	85%	None Detected	

**Client Sample ID:** 13-009A **Lab Sample ID:** 621501037-0023

**Sample Description:** EXTERIOR/WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	White	0.0%	100%	None Detected	



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EMSL Order ID: 621501037  
Customer ID: CESI62  
Customer PO: 10271.008  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 13-009B **Lab Sample ID:** 621501037-0024  
**Sample Description:** EXTERIOR/WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	White	0.0%	100%	None Detected	

**Client Sample ID:** 13-009C **Lab Sample ID:** 621501037-0025  
**Sample Description:** EXTERIOR/WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	White	0.0%	100%	None Detected	

**Client Sample ID:** 13-010A **Lab Sample ID:** 621501037-0026  
**Sample Description:** BASEMENT/REFRACTORY CEMENT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Gray	0.0%	100%	<0.89% Chrysotile	

**Client Sample ID:** 13-010B **Lab Sample ID:** 621501037-0027  
**Sample Description:** BASEMENT/REFRACTORY CEMENT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Gray	0.0%	100%	<0.87% Chrysotile	

**Client Sample ID:** 13-010C **Lab Sample ID:** 621501037-0028  
**Sample Description:** BASEMENT/REFRACTORY CEMENT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Gray	0.0%	99.1%	0.91% Chrysotile	

**Client Sample ID:** 13-011A **Lab Sample ID:** 621501037-0029  
**Sample Description:** RM #3 KITCHEN/PANELING GLUE (BLACK)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-011B **Lab Sample ID:** 621501037-0030  
**Sample Description:** RM #3 KITCHEN/PANELING GLUE (BLACK)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-011C **Lab Sample ID:** 621501037-0031  
**Sample Description:** RM #3 KITCHEN/PANELING GLUE (BLACK)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Black	0.0%	100%	None Detected	



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

EMSL Order ID: 621501037  
Customer ID: CESI62  
Customer PO: 10271.008  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 13-012A **Lab Sample ID:** 621501037-0032  
**Sample Description:** EXTERIOR/CEMENTITIOUS SHINGLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/11/2015	Gray	0%	90%	10% Chrysotile	

**Client Sample ID:** 13-012B **Lab Sample ID:** 621501037-0033  
**Sample Description:** EXTERIOR/CEMENTITIOUS SHINGLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/11/2015		Stop Positive (Not Analyzed)			

**Client Sample ID:** 13-012C **Lab Sample ID:** 621501037-0034  
**Sample Description:** EXTERIOR/CEMENTITIOUS SHINGLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/11/2015		Stop Positive (Not Analyzed)			

**Client Sample ID:** 13-013A **Lab Sample ID:** 621501037-0035  
**Sample Description:** EXTERIOR/ASPHALT SHINGLES BENEATH SHINGLES

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-014A **Lab Sample ID:** 621501037-0036  
**Sample Description:** EXTERIOR/ASPHALT SHINGLES BENEATH CEM. SIDING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-014B **Lab Sample ID:** 621501037-0037  
**Sample Description:** EXTERIOR/ASPHALT SHINGLES BENEATH CEM. SIDING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-014C **Lab Sample ID:** 621501037-0038  
**Sample Description:** EXTERIOR/ASPHALT SHINGLES BENEATH CEM. SIDING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Black	0.0%	100%	None Detected	

**Client Sample ID:** 13-015A **Lab Sample ID:** 621501037-0039  
**Sample Description:** EXTERIOR SHED/GARAGE/MULTIPLE ASPHALT ROOF

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	6.9%	88.0%	5.1% Chrysotile	



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EMSL Order ID: 621501037  
Customer ID: CESI62  
Customer PO: 10271.008  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 13-015B **Lab Sample ID:** 621501037-0040  
**Sample Description:** EXTERIOR SHED/GARAGE/MULTIPLE ASPHALT ROOF

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015					Positive Stop (Not Analyzed)

**Client Sample ID:** 13-015C **Lab Sample ID:** 621501037-0041  
**Sample Description:** EXTERIOR SHED/GARAGE/MULTIPLE ASPHALT ROOF

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015					Positive Stop (Not Analyzed)

**Client Sample ID:** 13-016A **Lab Sample ID:** 621501037-0042  
**Sample Description:** EXTERIOR HOUSE/MULTIPLE ASPHALT ROOF

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	11.2%	88.8%	None Detected	

**Client Sample ID:** 13-016B **Lab Sample ID:** 621501037-0043  
**Sample Description:** EXTERIOR HOUSE/MULTIPLE ASPHALT ROOF

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/15/2015	Black	11.7%	88.3%	None Detected	

**Client Sample ID:** 13-016C **Lab Sample ID:** 621501037-0044  
**Sample Description:** EXTERIOR HOUSE/MULTIPLE ASPHALT ROOF

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/16/2015	Black	17.0%	83.0%	None Detected	

PLM: ME CERT.# BA-0166 (DL) BA-0123 (LME)  
PLM EPA NOB: ME CERT.# BA-0166 (DL) BA-0123 (LME)

### Analyst(s):

Desiree Lunt PLM (3)  
PLM Grav. Reduction (24)  
Leslie McCluskeyEissing PLM (1)  
PLM Grav. Reduction (10)

### Reviewed and approved by:

Christina Walker, 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 NVLAP Lab Code 500094-0

Initial report from: 06/16/2015 10:53:52



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041516891  
CustomerID: CESI62  
CustomerPO:  
ProjectID:

Attn: **Deb Kasik**  
**CES/Summit Environmental Consultants**  
**465 South Main Street**  
**Brewer, ME 04412**

Phone: (207) 989-4824  
Fax: (207) 989-4881  
Received: 06/11/15 9:40 AM  
Analysis Date: 6/16/2015  
Collected: 6/9/2015

Project: 10271.008 / 130 13th Street, Bangor, ME

**Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13-017A 041516891-0001	Attic - Insulation	Brown/Variou Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	<0.1% Tremolite

Cert# BA-0152

Analyst(s)  
\_\_\_\_\_  
Jillian Yurick (1)

  
\_\_\_\_\_  
Benjamin Ellis, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 06/16/2015 07:43:09



### Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

621501037

South Portland, ME 04106  
PHONE: (207) 517-6921  
FAX: (207) 517-6922

**EMSL ANALYTICAL, INC.**  
LABORATORY • PRODUCTS • TRAINING

Company: CES/Summit Environmental Consultants		EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 465 S. Main Street PO Box 639		<small>Third Party Billing requires written authorization from third party</small>	
City: Brewer	State/Province: ME	Zip/Postal Code: 04412	Country: United States
Report To (Name): Deb Kasik		Telephone #: 207-989-4824	
Email Address: dkasik@ces-maine.com		Fax #: 207-989-4881	Purchase Order:
Project Name/Number: 10271.008 130 13th Street, Bangor		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.*

<p><b>PLM - Bulk (reporting limit)</b></p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input checked="" type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p>Point Count <input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p>Point Count w/Gravimetric <input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p> <p><input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)</p> <p><input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> OSHA ID-191 Modified</p> <p><input type="checkbox"/> Standard Addition Method</p>	<p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1</p> <p><input type="checkbox"/> NY ELAP Method 198.4 (TEM)</p> <p><input type="checkbox"/> Chatfield Protocol (semi-quantitative)</p> <p><input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep Technique</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique</p> <p style="text-align: center;"><b>Other</b></p> <p><input type="checkbox"/></p>
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Check For Positive Stop - Clearly Identify Homogenous Group      Date Sampled: 6-9-15

Samplers Name: D. Kasik      Samplers Signature: *DKasik*

Sample #	HA #	Sample Location	Material Description
13-001A		Rm #1, living (1 <sup>st</sup> fl)	Brown flower pattern sheet flooring
B		"	"
C		"	"
13-002A		1 <sup>st</sup> fl Rm #3 Kitchen	Cream w/ brown sheet flooring
B		"	"
C		"	"
13-003A		1 <sup>st</sup> fl Rm #2 Bathroom	Multi color sheet flooring
B		"	"
C		"	"
13-004A		1 <sup>st</sup> fl Rm #4 Rear Rm	Tan/Black flower sheet flooring

Client Sample # (s):	Total # of Samples:
Relinquished (Client): <i>DKasik</i>	Date: 6/10/15      Time: 9:00am
Received (Lab): <i>[Signature]</i>	Date: 6/11/15 10:25am      Time: [Blank]
Comments/Special Instructions: NOB PER MEDEP	





EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

621501037

South Portland, ME 04106

PHONE: (207) 517-6921

FAX: (207) 517-6922

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
13-004B		1 <sup>st</sup> fl; Rm #4 Rear Rm	Tan/Black flower pattern sheet flooring
C		"	"
13-005A		1 <sup>st</sup> fl; Rm #5 Mud Rm	Gray/pink/blue sheet flooring
B		"	"
C		2 <sup>nd</sup> fl Rm #8 Hall	"
13-006A		1 <sup>st</sup> fl Rm #5 Mud Rm	(2 <sup>nd</sup> 3 <sup>rd</sup> ) Asphalt layers
13-007A		2 <sup>nd</sup> fl; Rm #6 (Front Bed Rm)	Blue flower pattern sheet flooring
B		"	"
C		"	"
13-008A		1 <sup>st</sup> fl; Rm #1 Living Rm	Sheetrock
B		1 <sup>st</sup> fl; Rm #4 Rear Rm	"
C		2 <sup>nd</sup> fl; Rm #7 Rear Bed Rm	"
13-009A		Exterior	Window glazing
B		"	"
C		"	"
13-010A		Basement	Refractory Cement
B		"	"
C		"	"
13-011A		Rm #3 - Kitchen (1 <sup>st</sup> fl)	Paneling Glue (Black)
B		"	"
C		"	"
13-012A		Exterior	Cementitious Shingle
B		"	"
C		"	"

**\*Comments/Special Instructions:**

NOB PER ME DEP  
 BIIITo: CES, Inc., 465 S. Main Street, PO Box 639, Brewer, ME, 04412, United States  
 Attention: Dennis Kingman Phone: 207-969-4824 Email: dkingman@ces-maine.com Purchase Order:







**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041516891  
CustomerID: CESI62  
CustomerPO:  
ProjectID:

Attn: **Deb Kasik**  
**CES/Summit Environmental Consultants**  
**465 South Main Street**  
**Brewer, ME 04412**

Phone: (207) 989-4824  
Fax: (207) 989-4881  
Received: 06/11/15 9:40 AM  
Analysis Date: 6/16/2015  
Collected: 6/9/2015

Project: 10271.008 / 130 13th Street, Bangor, ME

**Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13-017A 041516891-0001	Attic - Insulation	Brown/Variou Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	<0.1% Tremolite

Cert# BA-0152

Analyst(s)  

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Jillian Yurick (1)

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Benjamin Ellis, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to the 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. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise specified. Samples received in good condition unless otherwise noted.  
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 06/16/2015 07:43:09

