



**EAGLE**  
**Environmental, Inc.**



Hazardous Building Materials > Industrial Hygiene/IAQ > Environmental Assessments > Laboratory Services & Training

July 16, 2015

Mr. David Holmes  
Capital Studio Architects  
1379 Main Street  
East Hartford, CT 06108

**RE: Environmental Assessment Report  
Department of Housing  
CDBG-DR – Sandy Disaster Recovery Program  
16 Little Street  
Bridgeport, Connecticut 06413  
Application #1732  
Eagle Project No. 15-015.10T4**

Dear Mr. Holmes:

Please find the Environmental Assessment Report conducted at 16 Little Street located in Bridgeport, Connecticut (Site). The environmental assessment was performed in support of the planned renovations/repairs to the Site building under the State of Connecticut Department of Housing Community Development Block Grant – Disaster Recovery Program (Program). The assessment focused only on those areas of the building that are scheduled for renovation/repair work with the exception of the lead-based paint inspection and risk assessment, which included the interior and exterior of the entire building. The proposed scope of renovation/repair work was provided to Eagle Environmental, Inc. (Eagle) by Capital Studio Architects (CSA).

This assessment and report is intended to satisfy the review process of the National Environmental Policy Act (NEPA) Statutory Checklist Sections 13C (Lead-Based Paint), 13D (Asbestos), 13E (Radon) and 13F (Mold).

Please do not hesitate to contact us if you have any questions regarding the contents of this report.

Sincerely,  
**Eagle Environmental, Inc.**

Report Prepared By:  
Aaron Hatcher  
Project Manager

Report Reviewed By:  
Peter J. Folino  
Project Manager/Principal

cc: Kristin duBay Horton; Director of Health – Bridgeport Health Department  
State of CT Department of Health – Lead Inspection & Testing Summary Form

\\Eaglesvr\public\2015 Files\2015 Reports\CSA - SSS\Super Storm Sandy\16 Little St, Bridgeport\16 Little St - Enviro Assessment Report.doc

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## 1. INTRODUCTION

On April 7, 2015, Eagle Environmental, Inc. conducted an environmental assessment of portions of the site building located at 16 Little Street in Bridgeport, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a lead-based paint inspection and risk assessment, radon testing and a visual inspection for microbial contamination. A child under the age of six (6) years old frequently occupies the dwelling defining it as a child occupied unit under federal regulation.

There are no known lead-based paint abatement orders or notices of violation on the site building. Capital Studio Architects has submitted a letter of request to the Connecticut Commission on Culture and Tourism to determine if the building is eligible for listing on the National Register of Historic Places and the results are pending.

### 1.1 Inspection Area Description

The inspection area included those areas of the building that will be impacted by planned renovation work. The areas of inspection were determined by reviewing the planned renovation work provided in CSA's Project Scope dated November 6, 2014 and revised February 2, 2015. This dwelling is a middle unit located within a Condominium Co-Op. Due to the restrictions set forth by the Housing Association, it is still uncertain where all of the mechanicals will be relocated for this project. Additional sampling/testing may be required once this is determined. For the purpose of this project the following areas were inspected:

- Basement
- Pantry
- Kitchen
- Bathroom
- Exterior façade of Pantry

In addition to testing the areas of the building that will be impacted by the renovation work, a comprehensive lead-based paint inspection and risk assessment were performed for the interiors and exteriors of the building that are solely associated with this dwelling, to comply with federal funding requirements for a residential building receiving Federal funding assistance under a Department of Housing and Urban Development (HUD) administered program.

A complete list of components that were tested may be found in the XRF Lead Inspection Detailed Report in Appendix 4.

## 2. SCOPE OF INSPECTION

### 2.1 Asbestos Containing Materials

The asbestos inspection was conducted to identify and sample suspect asbestos-containing materials within the areas of proposed renovation or repair work. Although federal regulations requiring asbestos inspection do not pertain to a residential structure containing less than five (5) units, demolition or renovation activities which may disturb asbestos would be unauthorized under the State of Connecticut Department of Public Health (DPH) regulations. Disposal of asbestos containing waste in unauthorized

landfills is also prohibited. The inspection was performed to facilitate compliance with these applicable abatement and disposal regulations.

The asbestos inspection was performed by Michelle Rudy; a State of Connecticut licensed Asbestos Inspector (license #000848).

## 2.2 Lead-based Paint

A comprehensive lead-based paint inspection and risk assessment was performed for the interiors and exteriors that are solely associated with the dwelling unit at the site building to comply with the Department of Housing and Urban Development (HUD) Lead Safe Housing Rule (24 CFR 35) for a residential property receiving Federal rehabilitation assistance under a program administered by HUD. As the dwelling unit is part of a Co-Op building, exterior surfaces such as trim components were not tested as they are not solely associated with the dwelling unit and the funding provided is not meant to perform lead-based paint remediation for the entire building.

Certain lead-based paint requirements apply to each project depending on the level of Federal Funding allocated. The lead-based paint requirements include the following for each level of funding:

1. Residential property receiving \$5,000 or less per unit (Not Applicable to this Project):
  - a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.
  - b. Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.
  - c. Interim control measures may be utilized throughout the building
  - d. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.
  - e. After the completion of any rehabilitation work that has disturbed painted surfaces, clearances are to be performed.
2. Residential property receiving between \$5,000 and \$25,000 per unit:
  - a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.
  - b. Lead safe work practices are to be utilized during rehabilitation work that will disturb lead-based painted surfaces.
  - c. Perform interim controls on all lead hazards identified during the lead hazard screen.

- d. Perform clearance testing following interim control work and renovations.
  - e. Provide notice of lead-hazard reduction within 15 days of completion of work.
3. **Residential property receiving greater than \$25,000 per unit:**
- a. **Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.**
  - b. **Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.**
  - c. **Abate all interior lead-based paint hazards identified during the lead inspection/risk assessment. Interim controls are acceptable on exterior surfaces that are not disturbed by rehabilitation and on paint-lead hazards that are below the de minimus levels.**
  - d. **Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.**
  - e. **Perform clearance testing following abatement work.**
  - f. **Provide notice of lead-hazard reduction within 15 days of completion of work.**

The lead-based paint inspection and risk assessment was performed by Hannah Hintz; a State of Connecticut licensed Lead Inspector/Risk Assessor (license # 002244).

In addition to HUD's Lead Safe Housing Rule, the State of Connecticut Department of Public Health Lead Poisoning Prevention and Control regulations apply when a child under the age of six (6) years old lives in the residence at the time of the inspection. Although the child is not a permanent resident of this dwelling unit, Eagle has provided the Lead Inspection Summary form to the state and local health departments.

### 2.3 Radon Testing

Radon testing for this program is performed on a case-by-case basis. Building's which are constructed on piers or will be elevated with its lowest level not in contact with the ground are not considered for Radon testing.

Buildings, which are not elevated off the ground, are tested for Radon under this Program. Radon testing is performed to comply with the National Environmental Policy Act (NEPA).

At a minimum, the Indoor Radon Potential Map of Connecticut was reviewed to determine each sites geographic location in respect to indoor Radon potential.

## **2.4 Mold Inspection**

Eagle performed a visual inspection for the presence of suspect mold within the inspection areas. The inspection included an investigation for signs of visible microbial growth including discoloring of building materials, mal odors and water intrusion that may inhibit microbial growth. The inspection was visual in nature and did not include any sampling or destructive investigations behind rigid walls or ceilings.

## **3. INSPECTION PROTOCOLS**

### **3.1 Asbestos Containing Materials**

#### **3.1.1 Inspection**

The asbestos-containing materials (ACM) inspection included the accessible interior and exterior portions of the building that will potentially be impacted by the proposed renovation/repair work. The inspection did not include areas outside of the proposed renovation/repair work areas.

Semi-destructive testing techniques were utilized during the inspection process. This included removing small pieces of suspect materials for analysis (bulk sampling). Only those building materials that will be impacted by the proposed renovation/repair work were sampled. Wood, glass, metal and fiberglass are not defined as suspect materials and are not sampled.

During the inspection, suspect materials are located, sampled, quantified and the friability of the material is determined. Friable materials are those materials that hand pressure can crumble, pulverize or reduce to powder when dry. An estimated quantity of identified ACM is provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material.

#### **3.1.2 Bulk Sampling**

During the sampling process, suspect ACM is separated into three (3) USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous materials (MISC). TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, towed or otherwise applied to an existing surface. These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

Bulk sampling was performed in a random method. Bulk sampling methods and number of samples collected meets or exceeds the USEPA requirements.

#### **3.1.3 Bulk Sample Analysis**

The samples of the suspect asbestos containing materials were sent to a State of Connecticut Department of Public Health (DPH) approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample

is determined to contain asbestos. Upon the determination of the presence of asbestos in one sample in the set, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content.

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being an asbestos-containing material (ACM). Suspect materials containing greater than one percent (1%) asbestos utilizing the PLM Point Count Method and the NOB TEM method are also considered to be asbestos-containing. Materials determined to contain greater than one percent (1%) asbestos is regulated by the USEPA, the State of Connecticut Department of Public Health and Department of Energy and Environmental Protection and the United States Department of Labor. Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Samples results indicating "Did Not Analyze" (DNA) are not analyzed due to the stop on first positive request to the laboratory.

#### **3.1.3.1 Friable ACM Analysis**

Certain samples of friable materials shown to contain less than 10% asbestos are analyzed further by the "Point Count Method". This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method. No samples were further analyzed by the PLM Point Count Method for 16 Little Street in Bridgeport, Connecticut.

#### **3.1.3.2 Non Friable ACM Analysis**

Certain samples of organically bound non-friable materials shown to contain "less than 1% asbestos", "TRACE" or "NAD" are recommended for analyses by the "NOB TEM ELAP 198.4 Method". This procedure is recommended by the United States Environmental Protection Agency to further evaluate non-friable organically bound materials for asbestos. Suspect materials confirmed by NOB TEM to be "less than 1% asbestos", "TRACE" or "NAD" are considered non-asbestos containing. No samples were further analyzed by the NOB TEM Method for 16 Little Street in Bridgeport, Connecticut.

### **3.2 Lead-based Paint**

The lead-based paint inspection was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 2753 throughout the building.

Due to the level of proposed Federal Funding for this project (exceeding \$25,000 per unit), the lead-based paint testing included a comprehensive lead-based paint inspection for the interiors and the exteriors that are solely associated with the dwelling unit. The inspected dwelling is a middle unit within a brick, three (3) family, townhouse-style co-

op building; therefore exterior lead-based paint testing was limited to testing defective components on the "A" and "C" facades that are solely associated with 16 Little Street. A visual inspection was performed to evaluate the condition of surface coatings associated with the exterior facades. Where surface coatings were defective (peeling, chipping, flaking, etc.), paint testing was performed. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" sides following in a clockwise order.

The data is presented on computer generated Lead Inspection Reports contained in Appendix 3. The Summary Report provides an inventory of each surface coating that contains lead at or above 1.0 mg/cm<sup>2</sup>. The Detailed Report is an inventory of each tested surface on a room-by-room basis.

For the purpose of this report, lead-based paint is defined as surface coatings that contain  $\geq 1.0$  mg/cm<sup>2</sup> of lead by XRF.

### **3.3 Radon Testing**

Eagle Environmental placed one (1) radon canister within the building. The canister was placed by Michelle Rudy on April 7, 2015 and was retrieved by Kristen DeFrance on April 10, 2015. The canister was placed within the basement or lowest level of the building. The United States Environmental Protection Agency (USEPA) recommends that the test measurements be performed in the lowest level of the building.

The radon testing device utilized for the radon measurements is an Activated Charcoal Adsorption Devices or charcoal canister. The canister is placed in the center of the room where feasible. The testing location was away from any drafts or excessive air movements and windows and doors remained closed during the testing period. The measurements that are taken are considered short-term tests. A short-term test is conducted from two to nine days.

The charcoal canister was sent to Radon Testing Corporation of America (RTCA) of Elmsford, New York for analysis. RTCA is listed in the USEPA Radon Measurement Proficiency (RMP) Program.

### **3.4 Mold Inspection**

Eagle Environmental, Inc. performed a visual inspection within the limits of the inspection area for potential microbial growth. The visual inspection was performed to evaluate building materials for signs of water damage and suspect microbial growth. Building materials such as gypsum board, cellulose ceiling tiles, paper pipe coverings or duct coverings and heating, ventilation and air conditioning components were visually assessed. Only visible accessible materials were inspected within the proposed areas of renovation/repair.

Discoloration and decay of the aforementioned building materials may signify mold growth. Water damage or damp conditions may also signify suitable conditions for mold growth.

Suspect mold growth or conditions that may sustain mold growth were documented during the inspection process. In general, the location, color of suspect growth and

estimated quantity of impacted building materials were recorded during the inspection process.

Eagle used an Extech Instruments Model MO290 Moisture/Humidity Meter to measure the relative moisture content of accessible representative building materials that may have been impacted by water during the storm. A "dry standard" for each component was determined by averaging the moisture measurements for materials in un-impacted areas. The "dry standard" was used as a baseline comparison to determine if the materials were wet. Moisture measurements were recorded on the Mold Moisture Reading Form.

#### **4. INSPECTION RESULTS**

##### **4.1 Asbestos Containing Materials**

During the course of the building inspection thirty-five (35) bulk samples of suspect ACM were collected and thirty-two (32) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

The following tested materials were identified as ACM:

- Brown chimney flue cement in the Basement
- Door caulk in the Pantry
- Black flashing cement at roof on Exterior façade of Pantry

The summaries of asbestos and non-asbestos materials are presented in Tables I and II respectively. The asbestos analysis laboratory reports are provided in Appendix 2.

The ACM identified within the building will most likely impact the proposed scope of work as the mechanical equipment is scheduled to be relocated to the Pantry. If any of the confirmed ACM will be disturbed during the renovations, it must be removed prior to beginning the work.

All regulated friable and regulated non-friable ACM must be removed prior to renovation/repair activities. A State of Connecticut Licensed Asbestos Abatement Contractor must be retained to perform the removal work. Visual inspections and air clearances must be performed within each abatement area at the completion of the abatement work. The visual inspections and air clearances must be performed by a State of Connecticut licensed Asbestos Project Monitor. The abatement areas must meet final visual and air clearance inspection criteria prior to building renovation / demolition. Re-occupancy air monitoring is required if the building will be re-entered by any person following abatement and prior to demolition. This includes but is not limited to entry for utility disconnects, salvage, equipment removal, etc.

The Asbestos Abatement Contractor must submit a notice of asbestos abatement to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of any asbestos abatement activities involving the abatement of greater than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials. The asbestos abatement notification satisfies the DPH regulatory requirements for demolition notification. For asbestos abatement projects involving less than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials or projects where no regulated asbestos-containing materials are identified, the facility owner or any person who will be conducting demolition must submit a demolition

notification to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of demolition activities.

## **4.2 Lead-based Paint**

A copy of the lead-based paint inspection report must be provided to residents within fifteen (15) days of the evaluation. A total of two hundred and twenty-eight (228) XRF readings were collected during the lead-based paint inspection of the building. From the two hundred and sixty (260) readings, forty-seven (47) components were found to contain toxic levels of lead-based paint.

The general inventory of surfaces containing lead-based paint includes the following:

- Plaster walls in the Foyer (005), Bedroom (007), Bathroom (008), Stairs (010) and Left Bedroom (011)
- Plaster ceiling in Stairs (010)
- Exterior window components
- Various entry door components
- Various trim components

The lead-based paint identified at the property will not impact the proposed scope of work to be performed; however, it must be addressed as part of this scope of work. If there are any surfaces on the exterior of the building that will be impacted during the renovation process, they must be assumed to contain toxic levels of lead-based paint unless testing proves them to be negative.

A complete inventory of tested building materials is presented in the Detailed Reports contained Appendix 4.

Eagle has submitted a copy of the lead-based paint technical specifications to the Bridgeport Health Department for review. A copy of the Lead Inspection Summary Report form has been provided to both the state and local health departments.

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead Exposure in Construction; Interim Final Rule. Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure. Any detectable level of lead in paint ( $>0.0 \text{ mg/cm}^2$  +/-  $0.3 \text{ mg/cm}^2$  by XRF or  $>0.01 \%$  by AAS) requires task specific exposure monitoring. Contractors performing lead disturbing tasks on this project must comply with the OSHA Lead in Construction Standard.

### **4.2.1 Dust Hazards**

A total of twelve (12) dust wipes were collected at the time of inspection. No dust-lead hazards were identified at the sampled locations. Eagle Environmental, Inc. recommends that the residents continue to follow their regular cleaning regimen.

A copy of the dust sample laboratory reports may be found in Appendix 5.

### **4.2.2 Soil Hazards**

No soil samples were collected at the time of inspection as the building is a co-op and the grounds are not solely associated with 16 Little Street.

### **4.3 Radon**

Radon is measured in Picocuries of radon per Liter of air or pCi/L. The USEPA has set a national action level of 4 pCi/L. Ambient concentrations of radon are approximately 0.4 pCi/L of radon for outside air. The USEPA recommends that short term tests that have results of 4 pCi/L or greater be confirmed with a second short-term test. Two short-term tests with results equal to or greater than 4 pCi/L require that radon mitigation be performed.

A review of the Indoor Radon Potential Map of Connecticut indicates a Radon Potential Rating of Moderate (22%). The Radon Potential Rating indicates the percentage of tested homes in this geographical area with basement air radon greater than or equal to 4.0 pCi/l (USEPA Action Level for Radon).

The result of the Radon testing was 0.8 pCi/L, which is below the USEPA action level. No further action is required. The radon testing reports may be found in Appendix 6.

### **4.4 Mold**

The homeowner informed the inspectors that the basement has been cleaned with an anti-mold agent three (3) times since it flooded. There were no visible signs of water intrusion, damage or staining in any of the rooms within the dwelling at the time of the inspection.

The mold inspection forms are provided in Appendix 7.

## **5. COST ESTIMATES**

The cost estimates include only the abatement or remediation work necessary to support the renovation/repair work. Other regulated or hazardous materials may be present and were not inspected for under this scope of services and are not included within the estimate.

This is a budgetary opinion of cost that is expected to be within -15 to + 30 percent of the actual cost. Eagle Environmental, Inc. has no control over the cost of labor, materials, equipment or services furnished by others, or over the Contractor or Contractors' methods of determining prices, or over competitive bidding or market conditions. Eagle Environmental, Inc.'s opinion of probable cost of abatement are made on the basis of Eagle Environmental, Inc.'s experience and qualifications and represent Eagle Environmental, Inc.'s judgment as an experienced and qualified consultant familiar with the abatement industry; but Eagle Environmental, Inc. cannot and does not guarantee that proposals, bids or actual Total Project or Abatement Cost will not vary from opinions of probable cost prepared by Eagle Environmental, Inc. If, prior to the bidding or negotiating phase, the Owner wishes greater assurance as to the Total Project or Abatement Cost, the Owner shall employ an independent cost estimator.

The cost estimates are provided in Appendix 9.

**TABLE I**

**ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE**

**TABLE I**  
**ASBESTOS CONTAINING MATERIALS**  
**SUMMARY TABLE**  
**16 LITTLE STREET**  
**BRIDGEPORT, CONNECTICUT**

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS					ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM			
Basement	Brown chimney flue cement	04-07-MR-15	MISC	2% Chrys			YES		<2 SF	NF
		04-07-MR-16		DNA						
Pantry	Door frame caulk	04-07-MR-17	MISC	12% Chrys			YES		30 LF	NF
		04-07-MR-18		DNA						
Façade C	Black flashing cement at roof	04-07-MR-25	MISC	7% Chrys			YES		30 SF	NF
		04-07-MR-26		DNA						
<b>KEY</b>										
DNA = DID NOT ANALYZE										
NAD = NO ASBESTOS DETECTED										
F = FRIABLE										
NF = NON-FRIABLE										
TSI = THERMAL SYSTEMS INSULATION										
SURF = SURFACING MATERIAL										
MISC = MISCELLANEOUS MATERIAL										
				<b>ANALYTICAL METHODS</b>						
				PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT						
				TEM NOB = NEW YORK ELAP 198.4 METHOD						
				PLM = EPA 600/R-93/116						
				PS = Previously Sampled						
				EA = Each						
<b>BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION</b>										

**TABLE II**

**NON ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE**

**TABLE II  
NON - ASBESTOS CONTAINING MATERIALS  
SUMMARY TABLE  
16 LITTLE STREET  
BRIDGEPORT, CONNECTICUT**

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Pantry	Ceramic floor & baseboard tile grout	04-07-MR-01	MISC				
		04-07-MR-02					
	Ceramic floor tile thin set	04-07-MR-03	MISC				
		04-07-MR-04					
	Ceramic baseboard adhesive	04-07-MR-05	MISC				
		04-07-MR-06					
	Gypsum backerboard under floor tile	04-07-MR-07	MISC				
		04-07-MR-08					
	Vapor barrier paper under gypsum	04-07-MR-09	MISC				
		04-07-MR-10					
Basement	Stone mortar	04-07-MR-11	MISC				
		04-07-MR-12					
	White chimney flue cement	04-07-MR-13	MISC				
		04-07-MR-14					
Façade C (exterior of pantry)	Vapor paper under clapboards & siding	04-07-MR-19	MISC				
		04-07-MR-20					
	Asphalt roof shingles	04-07-MR-21	MISC				
		04-07-MR-22					
Kitchen	Vapor paper under asphalt shingles	04-07-MR-23	MISC				
		04-07-MR-24					
	Newer skim coat plaster on brick	04-07-MR-27	SURF				
		04-07-MR-28					
Bathroom	Skim coat plaster	04-07-MR-29	SURF				
		04-07-MR-30					
	Rough coat plaster	04-07-MR-31	SURF				
		04-07-MR-32					
		04-07-MR-33	SURF				
04-07-MR-34							
04-07-MR-35							
<b>KEY</b>				<b>ANALYTICAL METHODS</b>			
DNA = DID NOT ANALYZE NAD=NO ASBESTOS DETECTED F = FRIABLE NF = NON-FRIABLE TSI = THERMAL SYSTEMS INSULATION SURF = SURFACING MATERIAL MISC = MISCELLANEOUS MATERIAL				PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT TEM NOB = NEW YORK ELAP 198.4 METHOD PLM = EPA 600/R-93/116 PS = Previously Sampled EA = Each			
<b>BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION</b>							

**APPENDIX 1**  
**FLOOR PLANS**

# CAPITAL STUDIO ARCHITECTS

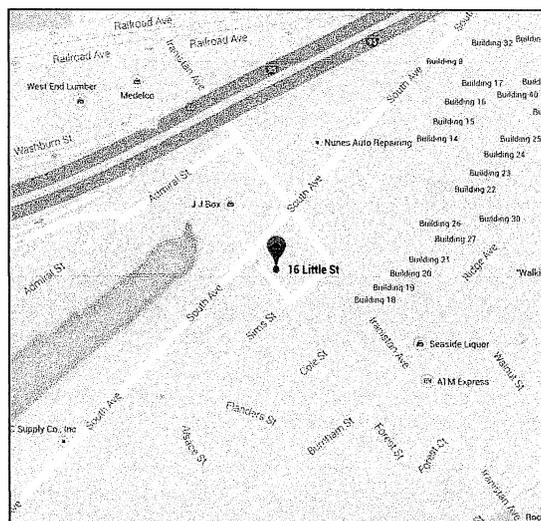
16 LITTLE STREET  
BRIDGEPORT, CONNECTICUT

EAGLE PROJECT NUMBER: 15-015.10T4

## INDEX OF DRAWINGS

FP-1 BASEMENT PLAN  
FP-2 FIRST FLOOR PLAN  
FP-3 SECOND FLOOR PLAN

## LOCATION MAP



APRIL 8, 2015



8 SOUTH MAIN STREET, SUITE 3  
TERRYVILLE, CONNECTICUT 06786  
860-589-8257

↓  
SIDE-C

**WINDOW KEY:**

CODE-WINDOW#  
(EG. **OW-##**)

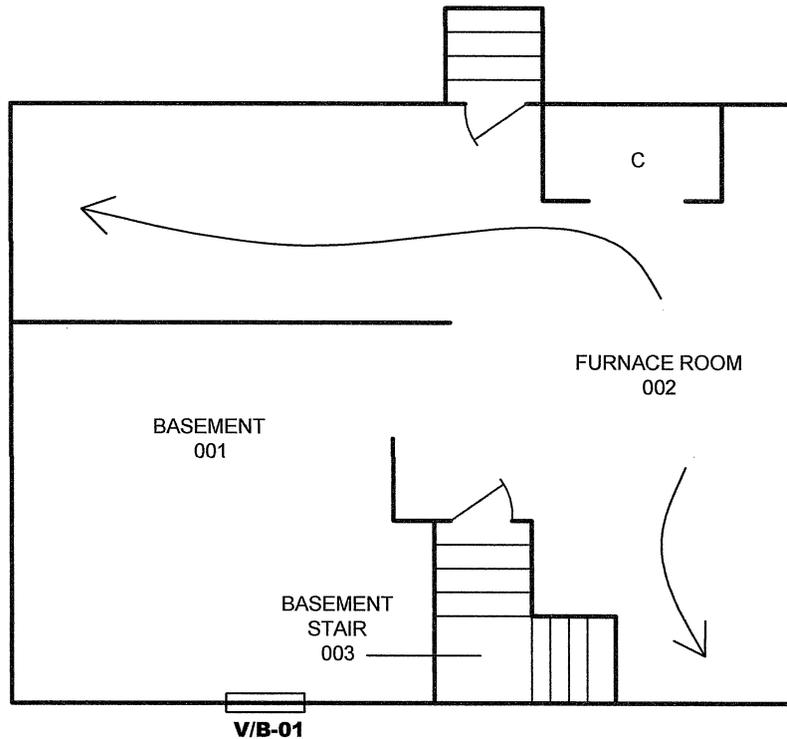
**B** = BASEMENT

**FX** = FIXED

**OW** = OLDER OR ORIGINAL  
WOOD SASH  
(TESTED POSITIVE  
FOR LEAD-BASED  
PAINT)

**V** = VINYL SASH

 = INACCESSIBLE  
(PHOTO TAKEN)



**BASEMENT PLAN**

C = CLOSET EVALUATED  
WITH ADJACENT ROOM

↑  
SIDE-A (STREET SIDE)

NOT TO SCALE



**EAGLE**  
Environmental, Inc.

8 SOUTH MAIN STREET, SUITE 3  
TERRYVILLE, CONNECTICUT 06786  
860-589-8257

DATE: 04/08/2015  
PROJECT NO.: 15-015.10T4  
DRAWN BY: VB  
REVIEWED BY: PF

ENVIRONMENTAL ASSESSMENT  
16 LITTLE STREET  
BRIDGEPORT, CONNECTICUT

**SHEET NO.**

**FP-1**

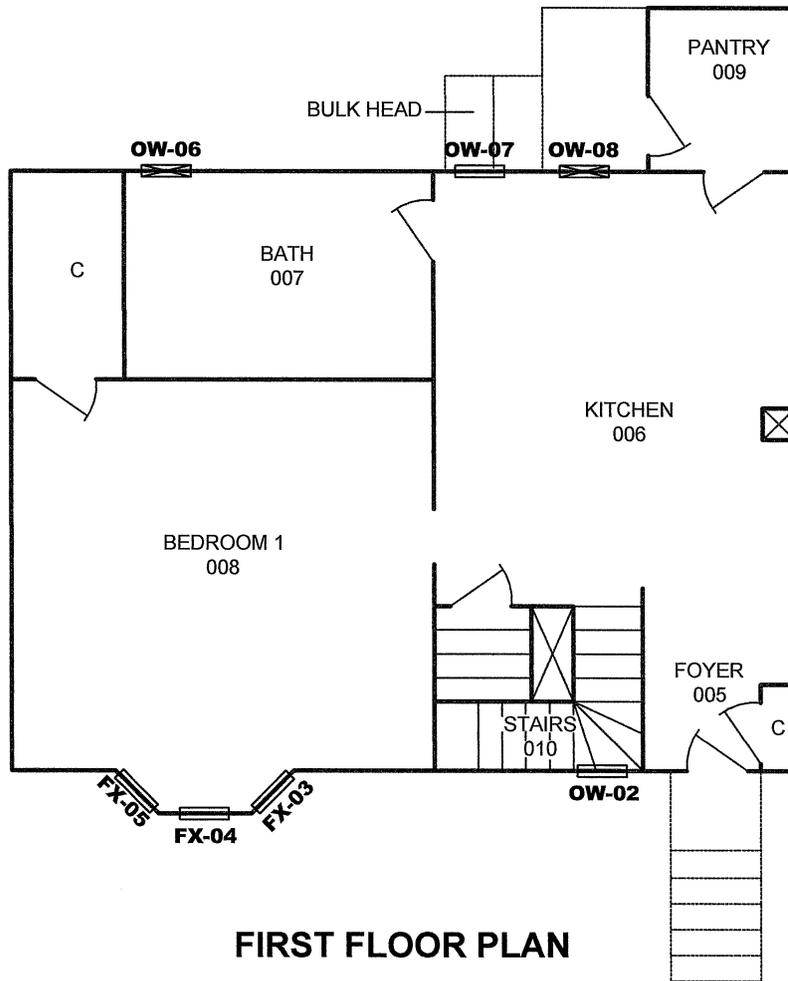
SHEET 1 OF 3

SIDE-C

**WINDOW KEY:**

CODE-WINDOW #  
(EG. **OW-##** )

- B** = BASEMENT
- FX** = FIXED
- OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- V** = VINYL SASH
-  = INACCESSIBLE (PHOTO TAKEN)



**FIRST FLOOR PLAN**

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

NOT TO SCALE



8 SOUTH MAIN STREET, SUITE 3  
TERRYVILLE, CONNECTICUT 06786  
860-589-8257

DATE: 04/08/2015  
PROJECT NO.: 15-015.10T4  
DRAWN BY: VB  
REVIEWED BY: PF

ENVIRONMENTAL ASSESSMENT  
16 LITTLE STREET  
BRIDGEPORT, CONNECTICUT

SHEET NO.

**FP-2**

SHEET 2 OF 3

SIDE-C

**WINDOW KEY:**

CODE-WINDOW #  
(EG. **OW-##**)

**B** = BASEMENT

**FX** = FIXED

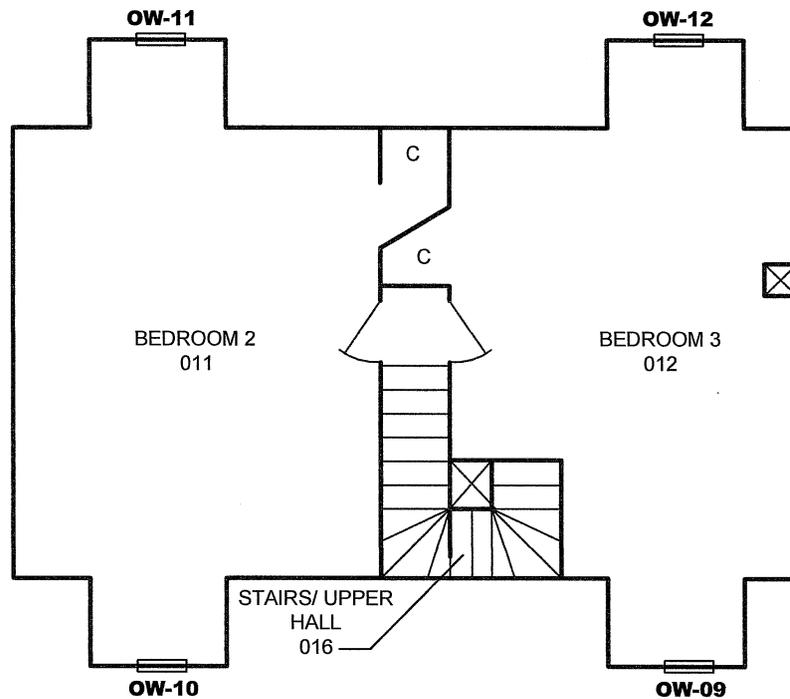
**OW** = OLDER OR ORIGINAL  
WOOD SASH  
(TESTED POSITIVE  
FOR LEAD-BASED  
PAINT)

**V** = VINYL SASH

 = INACCESSIBLE  
(PHOTO TAKEN)

SIDE-B

SIDE-D



**SECOND FLOOR PLAN**

C = CLOSET EVALUATED  
WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

NOT TO SCALE



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Environmental, Inc.

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TERRYVILLE, CONNECTICUT 06786  
860-589-8257

DATE: 04/08/2015  
PROJECT NO.: 15-015.10T4  
DRAWN BY: VB  
REVIEWED BY: PF

ENVIRONMENTAL ASSESSMENT  
16 LITTLE STREET  
BRIDGEPORT, CONNECTICUT

SHEET NO.

**FP-3**

SHEET 3 OF 3

**APPENDIX 2**

**ASBESTOS BULK SAMPLE LABORATORY REPORTS**



www.emsl.com

<b>EMSL – MA</b> 7 Constitution Way, Ste 107 Woburn, MA 01801 (781) 933-8411 (781) 933-8412 Fax	<b>EMSL – CT</b> 29 N. Plains Hwy, Unit 4 Wallingford, CT 06492 (203) 284-5948 (203) 284-5978 Fax	<b>EMSL – NY</b> 307 West 38 <sup>th</sup> Street New York, NY 10018 (866) 448-3675 (212) 290-0058 Fax	<b>EMSL – NJ</b> 107 Haddon Avenue Westmont, NJ 08108 (800) 220-3675 (856) 858-4960 Fax
---	---	--	---

**Your Name:** Brandy LeBlanc **Project Manager:** PF

**Company:** Eagle Environmental, Inc.

**Street:** 8 South Main Street, Suite 3

**City/State/Zip:** Terryville, CT 06786

**Phone:** 860-589-8257 ext. 108 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com

**Project Name:** CSA **Project #:** 15-015.1074

**Project Location:** 16 Little Street, Bridgeport **Project State (US):** CT

**TURNAROUND TIME**

3 Hours  
  6 Hours  
  24 Hours  
  48 Hours  
  72 Hours  
  4 Days  
 5 Days  
  6-10 Days

**SAMPLE MATRIX**

Air  
 Bulk  
 Soil  
 Wipe  
 Micro-Vac  
 Drinking Water  
 Wastewater  
 Chips  
 Other

**ASBESTOS ANALYSIS**

**PCM - Air**

NIOSH 7400 (A) Issue 2: August 1994

OSHA w/TWA

**TEM AIR**

AHERA 40 CFR, Part 763 Subpart E

NIOSH 7402 Issue 2

EPA Level II

**PLM - Bulk**

EPA 600/R-93/116

NY Stratified Point Count

California Air Resource Board (CARB) 435

NIOSH 9002

PLM NOB (Gravimetric) NYS 198.1

EPA Point Count (400 Points)

EPA Point Count (1,000 Points)

Standard Addition Point Count

**SOILS**

EPA Protocol Qualitative

EPA Protocol Quantitative

EMSL MSD 9000 Method fibers/gram

Superfund EPA 540-R097-028 (dust generation)

**TEM BULK**

Drop Mount (Qualitative)

Chatfield SOP-1988-02

TEM NOB (Gravimetric) NY 198.4

**TEM MICROVAC**

ASTM D 5755-95 (Quantitative)

**TEM WIPE**

ASTM D-6480-99

Qualitative

**TEM WATER**

EPA 100.1

EPA 100.2

NYS 198.2

Other:

**LEAD ANALYSIS**

**Flame Atomic Absorption**

Wipe, SW846-7420  ASTM  non ASTM

Soil, SW846-7420

Air, NIOSH 7082

Chips, SW846-7420 or AOAC 5.009 (974.02)

Wastewater, SW 846-7420

TCLP LEAD SW846-1311/7420

**Graphite Furnace Atomic Absorption**

Air, NIOSH 7105

Wastewater, SW846-7421

Soil, SW846-7421

Drinking Water, EPA 239.2

**ICP – Inductively Coupled Plasma**

Wipe, SW846-6010  ASTM  non ASTM

Soil, SW846-6010

Air, NIOSH 7300

**MATERIALS ANALYSIS**

Full Particle Identification

Optical Particle Identification

Dust Mites and Insect Fragments

Particle Size & Distribution

Product Comparison

Paint Characterization

Failure Analysis

Corrosion Analysis

Glove Box Containment Study

Petrographic Examination of Concrete

Portland Cement in Workplace Atmospheres (OSHA ID-143)

Man Made Vitrous Fibers – MMVF's

Synthetic Fiber Identification

Other:

**MICROBIAL ANALYSIS**

**Air Samples**

Mold & Fungi by Air O Cell

Mold & Fungi by Agar Plate count & id

Bacterial Count and Gram Stain

Bacterial Count and Identification

**Water Samples**

Total Coliforms, Fecal Coliforms

Escherichia Coli, Fecal Streptococcus

Legionella

Salmonella

Giardia and Cryptosporidium

**Wipe and Bulk Samples**

Mold & Fungi – Direct Examination

Mold & Fungi – (Culture follow up to direct examination if necessary)

Mold & Fungi – Culture (Count & ID)

Mold & Fungi – Culture (Count only)

Bacterial Count & Gram Stain

Bacterial Count & Identification (3 most prominent types)

Other:

**IAQ ANALYSIS**

Nuisance Dust (NIOSH 5500 & 5505)

Airborne Dust (PM10, TSP)

Silica Analysis by XRD  NIOSH 9000

HVAC Efficiency

Carbon Black

Airborne Oil Mist

Other:

15 APR 2015 9 AM ID: 03  
 EMSL LABORATORY  
 RECEIVED

Additional Information/Comments/Instructions: **\*\*PLEASE STOP ON 1ST POSITIVE WITHIN SETS**

Client Sample # (S)	04-07-MR-01	04-07-MR-35	TOTAL SAMPLE #	35
Relinquished:	MICHELLE RUDY <i>M. Rudy</i>	Date: 4/7/15	Time: PM	
Received:	EMILY FOLEY <i>Emily Foley</i>	Date: 4/7/15	Time: PM	
Relinquished:	EMILY FOLEY <i>Emily Foley</i>	Date: 4/8/15	Time: PM	
Received:	<i>Smencer</i>	Date: 4/9/15	Time: 10:03 AM	

*Emmanuel Major*  
4/12/2015 9:55 AM

Fx: 7950-2561-0806



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7 Constitution Way, Ste 107  
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29 N. Plains Hwy, Unit 4  
Wallingford, CT 06492  
(203) 284-5948  
(203) 284-5978 Fax

EMSL – NY  
307 West 38<sup>th</sup> Street  
New York, NY 10018  
(866) 448-3675  
(212) 290-0058 Fax

EMSL – NJ  
107 Haddon Avenue  
Westmont, NJ 08108  
(800) 220-3675  
(856) 858-4960 Fax

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
04-07-MR-01	Ceramic floor & baseboard tile grout	Pantry		
04-07-MR-02	Ceramic floor & baseboard tile grout	Pantry		
04-07-MR-03	Ceramic floor tile thin set	Pantry		
04-07-MR-04	Ceramic floor tile thin set	Pantry		
04-07-MR-05	Ceramic baseboard adhesive	Pantry		
04-07-MR-06	Ceramic baseboard adhesive	Pantry		
04-07-MR-07	Gypsum backer board under floor tile	Pantry		
04-07-MR-08	Gypsum backer board under floor tile	Pantry		
04-07-MR-09	Vapor barrier paper under gypsum	Pantry		
04-07-MR-10	Vapor barrier paper under gypsum	Pantry		
04-07-MR-11	Stone mortar	Basement		
04-07-MR-12	Stone mortar	Basement		
04-07-MR-13	White chimney flue cement	Basement		
04-07-MR-14	White chimney flue cement	Basement		
04-07-MR-15	Brown chimney flue cement	Basement		
04-07-MR-16	Brown chimney flue cement	Basement		
04-07-MR-17	Door caulk	Pantry		
04-07-MR-18	Door caulk	Pantry		
04-07-MR-19	Vapor paper under clapboards & siding	Ext.Pantry		
04-07-MR-20	Vapor paper under clapboards & siding	Ext.Pantry		
04-07-MR-21	Asphalt roof shingles	Ext.Pantry		
04-07-MR-22	Asphalt roof shingles	Ext.Pantry		
04-07-MR-23	Vapor paper under asphalt shingles	Ext.Pantry		
04-07-MR-24	Vapor paper under asphalt shingles	Ext.Pantry		

EMSL MANHATTAN LAB  
 RECEIVED  
 15 APR - 9 AM 10:03

*Emmanuel Abie*  
4/12/2015 9:55AM

*Sherwin*

*Abenal*  
4/13/15 5pm



**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018  
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<http://www.EMSL.com> [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031510563  
 CustomerID: EEVM50  
 CustomerPO:  
 ProjectID:

Attn: **Brandy LeBlanc**  
**Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
 Fax: (860) 585-7034  
 Received: 04/09/15 10:03 AM  
 Analysis Date: 4/13/2015  
 Collected: 4/7/2015

Project: 15-015.10T4/ CSA/ 16 LITTLE ST. BRIDGEPORT, CT

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-07-MR-01 <i>031510563-0001</i>	PANTRY - CERAMIC FLOOR & BASEBOARD TILE GROUT	Gray Non-Fibrous Homogeneous		20% Quartz 65% Ca Carbonate 15% Non-fibrous (other)	None Detected
04-07-MR-02 <i>031510563-0002</i>	PANTRY - CERAMIC FLOOR & BASEBOARD TILE GROUT	Gray Non-Fibrous Homogeneous		60% Quartz 8% Ca Carbonate 32% Non-fibrous (other)	None Detected
04-07-MR-03 <i>031510563-0003</i>	PANTRY - CERAMIC FLOOR TILE THIN SET	Gray/White Fibrous Heterogeneous	10% Cellulose	20% Quartz 55% Ca Carbonate 15% Non-fibrous (other)	None Detected
04-07-MR-04 <i>031510563-0004</i>	PANTRY - CERAMIC FLOOR TILE THIN SET	Gray Non-Fibrous Homogeneous		55% Quartz 12% Ca Carbonate 33% Non-fibrous (other)	None Detected
04-07-MR-05 <i>031510563-0005</i>	PANTRY - CERAMIC BASEBOARD ADHESIVE	White/Various Non-Fibrous Homogeneous		10% Quartz 75% Ca Carbonate 15% Non-fibrous (other)	None Detected
04-07-MR-06 <i>031510563-0006</i>	PANTRY - CERAMIC BASEBOARD ADHESIVE	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
04-07-MR-07 <i>031510563-0007</i>	PANTRY - GYPSUM BACKER BOARD UNDER FLOOR TILE	White/Beige Fibrous Homogeneous	25% Cellulose	10% Quartz 45% Ca Carbonate 20% Non-fibrous (other)	None Detected

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/14/2015 05:48:00

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018  
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<http://www.EMSL.com> [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031510563  
 CustomerID: EEVM50  
 CustomerPO:  
 ProjectID:

Attn: **Brandy LeBlanc**  
**Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
 Fax: (860) 585-7034  
 Received: 04/09/15 10:03 AM  
 Analysis Date: 4/13/2015  
 Collected: 4/7/2015

Project: 15-015.10T4/ CSA/ 16 LITTLE ST. BRIDGEPORT, CT

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-07-MR-08 <i>031510563-0008</i>	PANTRY - GYPSUM BACKER BOARD UNDER FLOOR TILE	Tan Fibrous Homogeneous	45% Cellulose	10% Ca Carbonate 45% Non-fibrous (other)	None Detected
04-07-MR-09 <i>031510563-0009</i>	PANTRY - VAPOR BARRIER PAPER UNDER GYPSUM	Gray/Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
04-07-MR-10 <i>031510563-0010</i>	PANTRY - VAPOR BARRIER PAPER UNDER GYPSUM	Brown/Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (other)	None Detected
04-07-MR-11 <i>031510563-0011</i>	BASEMENT - STONE MORTAR	Gray/Tan/Various Non-Fibrous Heterogeneous		25% Gypsum 55% Ca Carbonate 20% Non-fibrous (other)	None Detected
04-07-MR-12 <i>031510563-0012</i>	BASEMENT - STONE MORTAR	Gray/Tan Non-Fibrous Homogeneous		78% Quartz 6% Ca Carbonate 16% Non-fibrous (other)	None Detected
04-07-MR-13 <i>031510563-0013</i>	BASEMENT - WHITE CHIMNEY FLUE CEMENT	Tan/White/Various Non-Fibrous Heterogeneous		15% Quartz 65% Ca Carbonate 20% Non-fibrous (other)	None Detected
04-07-MR-14 <i>031510563-0014</i>	BASEMENT - WHITE CHIMNEY FLUE CEMENT	Gray Non-Fibrous Homogeneous		65% Quartz 6% Ca Carbonate 29% Non-fibrous (other)	None Detected

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/14/2015 05:48:00

**EMSL Analytical, Inc.**

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EMSL Order: 031510563  
 CustomerID: EEVM50  
 CustomerPO:  
 ProjectID:

Attn: **Brandy LeBlanc**  
**Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
 Fax: (860) 585-7034  
 Received: 04/09/15 10:03 AM  
 Analysis Date: 4/13/2015  
 Collected: 4/7/2015

Project: 15-015.10T4/ CSA/ 16 LITTLE ST. BRIDGEPORT, CT

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-07-MR-15 031510563-0015	BASEMENT - BROWN CHIMNEY FLUE CEMENT	Gray/Variou Non-Fibrou Heterogeneous		20% Quartz 60% Ca Carbonate 18% Non-fibrous (other)	2% Chrysotile
04-07-MR-16 031510563-0016	BASEMENT - BROWN CHIMNEY FLUE CEMENT				Stop Positive (Not Analyzed)
04-07-MR-17 031510563-0017	PANTRY - DOOR CAULK	Gray/Pink Non-Fibrou Homogeneous		88% Non-fibrous (other)	12% Chrysotile
04-07-MR-18 031510563-0018	PANTRY - DOOR CAULK				Stop Positive (Not Analyzed)
04-07-MR-19 031510563-0019	EXT. PANTRY - VAPOR PAPER UNDER CLAPBOARDS & SIDING	Brown Fibrou Homogeneous	75% Cellulose	25% Non-fibrous (other)	None Detected
04-07-MR-20 031510563-0020	EXT. PANTRY - VAPOR PAPER UNDER CLAPBOARDS & SIDING	Brown Non-Fibrou Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected
04-07-MR-21 031510563-0021	EXT. PANTRY - ASPHALT ROOF SHINGLES	Black Fibrou Heterogeneous	15% Glass	10% Quartz 40% Ca Carbonate 35% Non-fibrous (other)	None Detected
04-07-MR-22 031510563-0022	EXT. PANTRY - ASPHALT ROOF SHINGLES	Tan/Black Non-Fibrou Homogeneous	8% Cellulose	75% Matrix 17% Non-fibrous (other)	None Detected

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/14/2015 05:48:00

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

EMSL Order:	031510563
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**  
**Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
 Fax: (860) 585-7034  
 Received: 04/09/15 10:03 AM  
 Analysis Date: 4/13/2015  
 Collected: 4/7/2015

Project: 15-015.10T4/ CSA/ 16 LITTLE ST. BRIDGEPORT, CT

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-07-MR-23 031510563-0023	EXT. PANTRY - VAPOR PAPER UNDER ASPHALT SHINGLES	Black Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (other)	None Detected
04-07-MR-24 031510563-0024	EXT. PANTRY - VAPOR PAPER UNDER ASPHALT SHINGLES	Black Fibrous Homogeneous	55% Cellulose	15% Matrix 30% Non-fibrous (other)	None Detected
04-07-MR-25 031510563-0025	EXT. PANTRY - BLACK FLASHING CEMENT AT ROOF	Black Non-Fibrous Homogeneous		20% Gypsum 73% Non-fibrous (other)	7% Chrysotile
04-07-MR-26 031510563-0026	EXT. PANTRY - BLACK FLASHING CEMENT AT ROOF				Stop Positive (Not Analyzed)
04-07-MR-27 031510563-0027	KITCHEN - NEWER SKIM COAT PLASTER ON BRICK	White/Variou Non-Fibrous Heterogeneous		20% Gypsum 75% Ca Carbonate 5% Non-fibrous (other)	None Detected
04-07-MR-28 031510563-0028	KITCHEN - NEWER SKIM COAT PLASTER ON BRICK	White/Variou e Fibrous Heterogeneous	5% Cellulose	15% Gypsum 65% Ca Carbonate 15% Non-fibrous (other)	None Detected
04-07-MR-29 031510563-0029	KITCHEN - NEWER SKIM COAT PLASTER ON BRICK	Tan/White Non-Fibrous Homogeneous	8% Cellulose	45% Ca Carbonate 47% Non-fibrous (other)	None Detected

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/14/2015 05:48:00

**EMSL Analytical, Inc.**

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 Received: 04/09/15 10:03 AM  
 Analysis Date: 4/13/2015  
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Project: 15-015.10T4/ CSA/ 16 LITTLE ST. BRIDGEPORT, CT

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-07-MR-30 <i>031510563-0030</i>	BATH - SKIM COAT PLASTER	White/Beige Non-Fibrous Homogeneous		20% Gypsum 60% Ca Carbonate 20% Non-fibrous (other)	None Detected
04-07-MR-31 <i>031510563-0031</i>	BATH - SKIM COAT PLASTER	Gray Non-Fibrous Heterogeneous		10% Gypsum 80% Ca Carbonate 10% Non-fibrous (other)	None Detected
04-07-MR-32 <i>031510563-0032</i>	BATH - SKIM COAT PLASTER	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
04-07-MR-33 <i>031510563-0033</i>	BATH - ROUGH COAT PLASTER	Gray/Tan/Various Fibrous Heterogeneous	15% Cellulose	35% Quartz 45% Ca Carbonate 5% Non-fibrous (other)	None Detected
04-07-MR-34 <i>031510563-0034</i>	BATH - ROUGH COAT PLASTER	Gray/Various Non-Fibrous Heterogeneous		40% Quartz 30% Ca Carbonate 30% Non-fibrous (other)	None Detected
04-07-MR-35 <i>031510563-0035</i>	BATH - ROUGH COAT PLASTER	Tan Non-Fibrous Homogeneous		65% Quartz 17% Ca Carbonate 18% Non-fibrous (other)	None 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. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%  
 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/14/2015 05:48:00



**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018  
Phone/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com> [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031510563  
CustomerID: EEVM50  
CustomerPO:  
ProjectID:

Attn: **Brandy LeBlanc**  
**Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
Fax: (860) 585-7034  
Received: 04/09/15 10:03 AM  
Analysis Date: 4/13/2015  
Collected: 4/7/2015

Project: 15-015.10T4/ CSA/ 16 LITTLE ST. BRIDGEPORT, CT

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 4/9/2015      Sample Receipt Time: 10:03 AM  
Analysis Completed Date: 4/13/2015      Analysis Completed Time: 8:46 PM

**Analyst(s):**

Daena Charles PLM (13)

Emmanuel Moise PLM (19)

**Samples reviewed and approved by:**

James Hall, 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. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%  
Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/14/2015 05:48:00

**APPENDIX 3**

**EXTERIOR VISUAL ASSESSMENT FORMS**



# EAGLE Environmental, Inc.

## EXTERIOR VISUAL ASSESSMENT FORM

Address: 16 Little, Bridgeport

Side: A, C

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A B C D	I F P		Vinyl & Brick
Skirt Board	A B C D	I F P		
Corner Board	A B C D	I F P		↓
Upper Trim	A B C D	I F P		
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		} done w/ interior
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		} done w/ interior Brick
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P		Done w/ interior stone
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
Downers	A B C D	I F P		Sided
Downspout	A B C D	I F P		Sided
	A B C D	I F P		
Porch Rail	A B C D	I F P		
Porch Stair	A B C D	I F P		concrete
	A B C D	I F P		
Paint by G&H	A B C D	I F P		wood
Bilco Door	A B C D	I F P		metal, concrete
	A B C D	I F P		
Clothesline pole	A B C D	I F P		silver, huge
	A B C D	I F P		
Garden Lattice	A B C D	I F P		

**APPENDIX 4**

**XRF LEAD-BASED PAINT INSPECTION REPORTS**

# LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 04/21/15 11:13

INSPECTION FOR: Mr. David Holmes  
Capital Studio Architects  
1379 Main Street  
East Hartford, CT 06108

PERFORMED AT: 16 Little Street  
Bridgeport, CT

INSPECTION DATE: 04/21/15

INSTRUMENT TYPE: R M D  
MODEL LPA-1  
XRF TYPE ANALYZER  
Serial Number: 02753

ACTION LEVEL: 1.0 mg/cm<sup>2</sup>

OPERATOR LICENSE: 002206

Limited Lead-Based Paint Testing was performed on the exterior window and door components within the dwelling.

SIGNED: Kristen DeFrance

Kristen DeFrance  
Lead Inspector / Risk Assessor  
Eagle Environmental, Inc.  
8 South Main Street, Suite # 3  
Terryville, CT 06786

Date: 4/21/15

**SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes**

Inspection Date: 04/21/15 16 Little Street  
 Report Date: 4/21/2015 Bridgeport, CT  
 Abatement Level: 1.0  
 Report No. S#02753 - 04/21/15 11:13  
 Total Readings: 32 Actionable: 19  
 Job Started: 04/21/15 11:13  
 Job Finished: 04/21/15 12:21

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
Interior Room 005 Foyer									
005	A	Door	Lft	Stop	P	Wood	Cream	>9.9	QM
Interior Room 009 Pantry									
006	B	Door	Lft	Ext	P	Wood	green	1.9	QM
007	B	Door	Lft	Stop	P	Wood	Cream	1.6	QM
Interior Room 010 Stairs									
016	A	Window	Ctr	Jamb	P	Wood	Yellow	>9.9	QM
017	A	Window	Ctr	Blindstop	P	Wood	Yellow	1.6	QM
014	A	Window	Ctr	Well	P	Wood	Yellow	9.8	QM
		no access to exterior sash							
015	A	Window	Ctr	Part. bead	P	Wood	Yellow	>9.9	QM
Interior Room 011 Bedroom 2									
020	A	Window	Ctr	Jamb	P	Wood	Yellow	3.3	QM
021	A	Window	Ctr	Blindstop	P	Wood	Yellow	>9.9	QM
022	A	Window	Ctr	Ext. Sash	P	Wood	Yellow	7.4	QM
018	A	Window	Ctr	Well	P	Wood	Yellow	>9.9	QM
019	A	Window	Ctr	Part. bead	P	Wood	Yellow	9.5	QM
023	C	Window	Ctr	Ext. Sash	P	Wood	Yellow	1.9	QM
Interior Room 012 Bedroom 3									
029	A	Window	Ctr	Ext. Sash	P	Wood	Yellow	>9.9	QM
026	C	Window	Ctr	Jamb	P	Wood	White	6.5	QM
027	C	Window	Ctr	Blindstop	P	Wood	White	2.2	QM
028	C	Window	Ctr	Ext. Sash	P	Wood	White	6.7	QM
024	C	Window	Ctr	Well	P	Wood	White	>9.9	QM
025	C	Window	Ctr	Part. bead	P	Wood	White	1.7	QM
----- End of Readings -----									

**DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes**

Inspection Date: 04/21/15 16 Little Street  
 Report Date: 4/21/2015 Bridgeport, CT  
 Abatement Level: 1.0  
 Report No. S#02753 - 04/21/15 11:13  
 Total Readings: 32  
 Job Started: 04/21/15 11:13  
 Job Finished: 04/21/15 12:21

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
<b>Exterior Room 001 Facade A</b>									
012	A	Door	Ctr	Kickplate	P	Wood	Gray	-0.4	QM
<b>Interior Room 005 Foyer</b>									
004	A	Door	Lft	Ext	P	Wood	green	-0.3	QM
005	A	Door	Lft	Stop	P	Wood	Cream	>9.9	QM
<b>Interior Room 007 Bedroom 1</b>									
009	A	Window	Lft	Ext. Sash	P	Wood	Yellow	-0.6	QM
010	A	Window	Ctr	Ext. Sash	P	Wood	Yellow	-0.4	QM
011	A	Window	Rgt	Ext. Sash	P	Wood	Yellow	-0.5	QM
<b>Interior Room 008 Bathroom</b>									
013	C	Window	Ctr	Sash	P	Wood	White	0.1	QM
<b>Interior Room 009 Pantry</b>									
006	B	Door	Lft	Ext	P	Wood	green	1.9	QM
007	B	Door	Lft	Stop	P	Wood	Cream	1.6	QM
008	B	Door	Lft	threshold	P	Wood	Gray	-0.4	QM
<b>Interior Room 010 Stairs</b>									
016	A	Window	Ctr	Jamb	P	Wood	Yellow	>9.9	QM
017	A	Window	Ctr	Blindstop	P	Wood	Yellow	1.6	QM
014	A	Window	Ctr	Well	P	Wood	Yellow	9.8	QM
		no access to exterior sash							
015	A	Window	Ctr	Part. bead	P	Wood	Yellow	>9.9	QM
<b>Interior Room 011 Bedroom 2</b>									
020	A	Window	Ctr	Jamb	P	Wood	Yellow	3.3	QM
021	A	Window	Ctr	Blindstop	P	Wood	Yellow	>9.9	QM
022	A	Window	Ctr	Ext. Sash	P	Wood	Yellow	7.4	QM
018	A	Window	Ctr	Well	P	Wood	Yellow	>9.9	QM
019	A	Window	Ctr	Part. bead	P	Wood	Yellow	9.5	QM
023	C	Window	Ctr	Ext. Sash	P	Wood	Yellow	1.9	QM
<b>Interior Room 012 Bedroom 3</b>									
029	A	Window	Ctr	Ext. Sash	P	Wood	Yellow	>9.9	QM
026	C	Window	Ctr	Jamb	P	Wood	White	6.5	QM
027	C	Window	Ctr	Blindstop	P	Wood	White	2.2	QM
028	C	Window	Ctr	Ext. Sash	P	Wood	White	6.7	QM
024	C	Window	Ctr	Well	P	Wood	White	>9.9	QM
025	C	Window	Ctr	Part. bead	P	Wood	White	1.7	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

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Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
<hr/>									
Calibration Readings									
001								0.9	TC
002								0.8	TC
003								0.8	TC
030								0.9	TC
031								0.9	TC
032								0.8	TC
----- End of Readings -----									

# LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 04/07/15 11:25

INSPECTION FOR: Mr. Jason Pitts  
Capital Studio Architects  
1379 Main Street  
East Hartford, CT 06108

PERFORMED AT: 16 Little Street  
Bridgeport, Connecticut

INSPECTION DATE: 04/07/15

INSTRUMENT TYPE: R M D  
MODEL LPA-1  
XRF TYPE ANALYZER  
Serial Number: 02753

ACTION LEVEL: 1.0 mg/cm<sup>2</sup>

OPERATOR LICENSE: 002244

A comprehensive lead-based paint inspection of the interiors at  
16 Little Street in Bridgeport, Connecticut

SIGNED: 

Date: 4/7/15

Hannah Hintz  
Lead Inspector / Risk Assessor  
Eagle Environmental, Inc.  
8 South Main Street, Suite 3  
Terryville, CT 06786

**SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. Jason Pitts**

Inspection Date: 04/07/15 16 Little Street  
 Report Date: 4/7/2015 Bridgeport, Connecticut  
 Abatement Level: 1.0  
 Report No. S#02753 - 04/07/15 11:25  
 Total Readings: 228 Actionable: 28  
 Job Started: 04/07/15 11:25  
 Job Finished: 04/07/15 13:43

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
Interior Room 005 Foyer									
060	A	Door	Ctr	Stop	I	Wood	cream	>9.9	QM
056	D	Wall	Ctr		I	Plaster	blue	2.7	QM
Interior Room 006 Kitchen									
093	C	Window	Lft	Jamb	P	Wood	cream	6.9	QM
095	C	Window	Lft	Blindstop	P	Wood	cream	8.8	QM
094	C	Window	Lft	Well	P	Wood	cream	5.9	QM
Interior Room 007 Bedroom									
101	A	Wall	Ctr		I	Plaster	blue	2.8	QM
103	C	Wall	Ctr		I	Plaster	blue	4.4	QM
104	D	Wall	Ctr		I	Plaster	blue	3.1	QM
Interior Room 008 Bath									
136	A	Wall	Rgt		I	Plaster	White	3.6	QM
147	B	Exterior	Ctr	Tub	P	metal	White	2.9	QM
137	B	Wall	Lft		I	Plaster	White	3.7	QM
134	C	Chair Rail	Rgt		I	Wood	White	1.0	QM
132	C	Wall	Rgt		I	Plaster	White	3.8	QM
135	C	Baseboard	Rgt		I	Wood	White	1.5	QM
138	C	Window	Lft	Casing	I	Wood	White	1.0	QM
139	C	Window	Lft	Sash	I	Wood	White	1.0	QM
141	C	Window	Lft	Apron	I	Wood	White	2.5	QM
140	C	Window	Lft	Sill	I	Wood	White	6.4	QM
133	D	Wall	Lft		I	Plaster	White	4.3	QM
142	D	Door	Lft	Casing	I	Wood	White	2.9	QM
143	D	Door	Lft	Jamb	I	Wood	White	1.4	QM
Interior Room 010 Stairs									
167	-	Ceiling	Ctr		I	Plaster	White	2.1	QM
164	A	Wall	Lft		I	Plaster	Tan	4.6	QM
166	B	Wall	Ctr		I	Plaster	Tan	2.6	QM
165	C	Wall	Ctr		I	Plaster	Tan	4.0	QM
163	D	Wall	Ctr		I	Plaster	Tan	3.7	QM
Interior Room 011 Left Bed									
179	B	Wall	Ctr		I	Plaster	Pink	3.9	QM
181	D	Wall	Lft		I	Plaster	Pink	4.1	QM

---- End of Readings ----



DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Jason Pitts

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
035	C	Door	Lft	Stop	P	Wood	blue	-0.1	QM
036	C	Door	Lft		P	Wood	Stained	-0.2	QM
037	C	Stairs	Lft	Railing	P	Wood	Stained	-0.2	QM
052	C	Railing	Lft	Support	P	Wood	Gray	-0.1	QM
029	D	Shelf Suppor	Lft		I	Wood	White	-0.5	QM
030	D	Shelf	Lft		I	Wood	White	0.0	QM
032	D	Wall	L Lft		I	Wood	Gray	-0.4	QM
031	D	Wall	U Lft		I	Plaster	White	-0.2	QM
Interior Room 004 Bsmnt Hatch									
049	-	Stairs	Ctr	Stringers	P	Wood	Gray	0.0	QM
048	-	Stairs	Ctr	Treads	P	Wood	Gray	-0.3	QM
045	A	Door	Ctr	threshold	P	Wood	Gray	-0.1	QM
046	A	Door	Ctr	Stop	P	Wood	White	-0.2	QM
047	A	Door	Ctr	Casing	P	Wood	blue	-0.6	QM
050	C	Bulkhead	Ctr	Door	P	metal	Gray	-0.4	QM
051	C	Bulkhead	Ctr	Frame	P	metal	Gray	-0.5	QM
Interior Room 005 Foyer									
053	-	Ceiling	Ctr		I	Plaster	White	-0.1	QM
057	A	Door	Ctr	Casing	I	Wood	blue	-0.2	QM
058	A	Door	Ctr		I	Wood	Stained	-0.2	QM
059	A	Door	Ctr	Jamb	I	Wood	blue	0.0	QM
060	A	Door	Ctr	Stop	I	Wood	cream	>9.9	QM
061	A	Door	Ctr	threshold	P	Wood	Gray	-0.1	QM
073	B	Baseboard	Ctr		I	Wood	blue	-0.3	QM
055	C	Crown Mldg	Ctr		I	Wood	blue	-0.9	QM
054	C	Wall	Ctr		I	Paneling	blue	-0.1	QM
074	C	Door	Ctr	Casing	I	Wood	blue	0.0	QM
075	C	Door	Ctr	Jamb	I	Wood	blue	-0.4	QM
056	D	Wall	Ctr		I	Plaster	blue	2.7	QM
063	D	Closet	Ctr	Ceiling	I	Plaster	White	0.2	QM
067	D	Closet	Ctr	Baseboard	I	Wood	Stained	0.0	QM
071	D	Closet	Ctr	Door Stop	I	Wood	blue	-0.5	QM
072	D	Closet	Ctr	Door	I	Wood	Stained	-0.3	QM
069	D	Closet	Ctr	Door Casing	I	Wood	blue	-0.2	QM
068	D	Closet	Ctr	Floor	I	Wood	Stained	-0.2	QM
070	D	Closet	Ctr	Door Jamb	I	Wood	blue	0.1	QM
064	D	Closet	Ctr	Wall	I	Plaster	White	0.1	QM
065	D	Closet	Ctr	Shelf Sup.	I	Wood	Stained	-0.1	QM
066	D	Closet	Ctr	Shelf	I	Wood	Stained	0.0	QM
Interior Room 006 Kitchen									
083	-	Floor	Lft		I	ceramic	White	-0.6	QM
084	-	Ceiling	Lft	Vent	I	metal	White	-0.1	QM
076	-	Ceiling	Ctr		I	Plaster	White	0.1	QM
077	A	Crown Mldg	Lft		I	Wood	blue	0.0	QM
078	A	Crown Mldg	Ctr		I	Paneling	blue	-0.4	QM
079	B	Crown Mldg	Ctr		I	Paneling	blue	-0.4	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Jason Pitts

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
087	B	Door	Rgt	Casing	I	Wood	blue	-0.2	QM
080	C	Crown Mldg	Ctr		I	Paneling	blue	-1.1	QM
088	C	Window	Lft	Casing	I	Wood	blue	-0.3	QM
091	C	Window	Lft	Stop	I	Wood	blue	-0.2	QM
092	C	Window	Lft	Ext. Sash	P	Wood	White	-0.4	QM
093	C	Window	Lft	Jamb	P	Wood	cream	6.9	QM
095	C	Window	Lft	Blindstop	P	Wood	cream	8.8	QM
090	C	Window	Lft	Sash	I	Wood	blue	-0.3	QM
094	C	Window	Lft	Well	P	Wood	cream	5.9	QM
089	C	Window	Lft	Sill	I	Wood	blue	-0.5	QM
096	C	Window	Rgt	Sash	I	Wood	blue	-0.3	QM
085	C	Door	Rgt		I	Wood	Stained	-0.1	QM
086	C	Door	Rgt	Jamb	I	Wood	blue	-0.7	QM
082	D	Crown Mldg	Lft		I	Concrete	blue	-0.2	QM
097	D	Cabinet	Ctr	Trim	I	Wood	White	-0.1	QM
081	D	Crown Mldg	Rgt		I	Paneling	blue	-0.7	QM
098	D	Wall	Ctr	Trim	I	Wood	blue	-0.4	QM

Interior Room 007 Bedroom

099	-	Ceiling	Ctr		I	Fiberboard	White	-0.3	QM
100	A	Crown Mldg	Ctr		I	Wood	White	0.2	QM
101	A	Wall	Ctr		I	Plaster	blue	2.8	QM
122	A	Window	Lft	Casing	P	Wood	Stained	-0.2	QM
123	A	Window	Lft	Stop	P	Wood	blue	-0.2	QM
126	A	Window	Lft	Mullion	P	Wood	blue	0.0	QM
127	A	Window	Lft	Ceiling	P	Wood	blue	-0.3	QM
125	A	Window	Lft	Apron	P	Wood	White	-0.8	QM
124	A	Window	Lft	Sill	P	Wood	White	-0.3	QM
102	B	Wall	Ctr		I	Paneling	No Paint	-0.3	QM
128	B	Door	Lft	Casing	P	Wood	Stained	-0.4	QM
129	B	Door	Lft	Jamb	P	Wood	Stained	-0.2	QM
130	B	Door	Lft	Stop	P	Wood	blue	-0.5	QM
103	C	Wall	Ctr		I	Plaster	blue	4.4	QM
105	C	Baseboard	Lft		I	Wood	White	-0.3	QM
106	C	Door	Lft	Casing	I	Wood	Stained	0.0	QM
107	C	Door	Lft		I	Wood	White	-0.4	QM
109	C	Closet	Lft	Door Stop	I	Wood	Yellow	-0.3	QM
119	C	Closet	Lft	Baseboard	I	Wood	White	-0.1	QM
121	C	Closet	Lft	threshold	P	Wood	White	-0.5	QM
112	C	Closet	Lft	Door	I	Luan	White	-0.6	QM
113	C	Closet	Lft	Door	I	Wood	White	-0.3	QM
111	C	Closet	Lft	Door Casing	I	Wood	blue	-0.1	QM
120	C	Closet	Lft	Floor	I	Wood	Stained	-0.1	QM
108	C	Closet	Lft	Door Jamb	I	Wood	Stained	-0.4	QM
110	C	Closet	Lft	Door Jamb	I	Wood	White	-0.1	QM
114	C	Closet	Lft	Wall	I	Plaster	White	-0.1	QM
115	C	Closet	Lft	Shelf Sup.	I	Wood	White	-0.4	QM
117	C	Closet	Lft	Shelf Sup.	I	Wood	Stained	-0.7	QM
118	C	Closet	Lft	Shelf	I	Wood	Stained	-0.4	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Jason Pitts

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
116	C	Closet	Lft	Ceiling	I	Plaster	White	0.0	QM
104	D	Wall	Ctr		I	Plaster	blue	3.1	QM
Interior Room 008 Bath									
131	-	Ceiling	Lft		I	Plaster	White	-0.4	QM
145	A	Cabinet	Lft		I	Wood	Stained	-0.4	QM
146	A	Cabinet	Lft	Door	I	Wood	Stained	-0.4	QM
136	A	Wall	Rgt		I	Plaster	White	3.6	QM
147	B	Exterior	Ctr	Tub	P	metal	White	2.9	QM
137	B	Wall	Lft		I	Plaster	White	3.7	QM
134	C	Chair Rail	Rgt		I	Wood	White	1.0	QM
132	C	Wall	Rgt		I	Plaster	White	3.8	QM
135	C	Baseboard	Rgt		I	Wood	White	1.5	QM
138	C	Window	Lft	Casing	I	Wood	White	1.0	QM
139	C	Window	Lft	Sash	I	Wood	White	1.0	QM
141	C	Window	Lft	Apron	I	Wood	White	2.5	QM
140	C	Window	Lft	Sill	I	Wood	White	6.4	QM
133	D	Wall	Lft		I	Plaster	White	4.3	QM
142	D	Door	Lft	Casing	I	Wood	White	2.9	QM
143	D	Door	Lft	Jamb	I	Wood	White	1.4	QM
144	D	Door	Lft	Stop	I	Wood	blue	-0.5	QM
Interior Room 009 Pantry									
153	-	Floor	Ctr		I	ceramic	White	-0.5	QM
148	-	Ceiling	Ctr		I	Wainscottn	purple	0.0	QM
154	A	Shelf	Ctr		I	Wood	purple	0.1	QM
155	A	Shelf	Ctr	Support	I	Wood	purple	0.0	QM
149	A	Wall	Rgt		I	Brick	purple	-0.1	QM
150	B	Wall	Rgt		I	Wainscottn	purple	-0.2	QM
159	B	Door	Lft	Casing	I	Wood	purple	-0.2	QM
160	B	Door	Lft		I	Wood	purple	-0.1	QM
161	B	Door	Lft	Cover	I	Plywood	purple	-0.2	QM
162	B	Door	Lft	Jamb	P	Plywood	purple	0.1	QM
151	C	Wall	Ctr		I	Wainscottn	purple	-0.2	QM
156	D	Cabinet	Rgt	Frame	I	Wood	Stained	-0.1	QM
157	D	Cabinet	Rgt	Door	I	Wood	Stained	-0.4	QM
158	D	Cabinet	Rgt	Shelf	I	Wood	purple	0.0	QM
152	D	Wall	Ctr		I	Wainscottn	purple	-0.2	QM
Interior Room 010 Stairs									
167	-	Ceiling	Ctr		I	Plaster	White	2.1	QM
168	-	Stairs	Ctr	Stringers	I	Wood	White	-0.3	QM
164	A	Wall	Lft		I	Plaster	Tan	4.6	QM
170	A	Window	Lft	Casing	I	Wood	White	-0.2	QM
171	A	Window	Lft	Stop	I	Wood	White	-0.5	QM
173	A	Window	Lft	Sash	I	Wood	White	-0.2	QM
172	A	Window	Lft	Sill	I	Wood	White	-0.4	QM
166	B	Wall	Ctr		I	Plaster	Tan	2.6	QM
165	C	Wall	Ctr		I	Plaster	Tan	4.0	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Jason Pitts

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
174	C	Baseboard	Lft		I	Wood	White	-0.3	QM
169	C	Stairs	Ctr	Cornerguard	I	Wood	White	-0.2	QM
163	D	Wall	Ctr		I	Plaster	Tan	3.7	QM
175	D	Door	Lft	Casing	I	Wood	White	-0.3	QM
176	D	Door	Lft		I	Wood	Stained	-0.2	QM
Interior Room 011 Left Bed									
177	-	Ceiling	Lft		I	Plaster	White	0.1	QM
178	A	Wall	Rgt		I	Plaster	Pink	-0.1	QM
225	A	Window	Ctr	Sash	P	Wood	purple	-0.2	QM
179	B	Wall	Ctr		I	Plaster	Pink	3.9	QM
180	C	Wall	Rgt		I	Plaster	Pink	-0.2	QM
183	C	Window	Ctr	Stop	I	Wood	purple	-0.1	QM
184	C	Window	Ctr	Sash	I	Wood	purple	-0.4	QM
186	C	Window	Ctr	Apron	I	Wood	purple	-0.4	QM
185	C	Window	Ctr	Sill	I	Wood	purple	-0.3	QM
181	D	Wall	Lft		I	Plaster	Pink	4.1	QM
182	D	Baseboard	Lft		I	Wood	purple	0.0	QM
194	D	Door	Rgt	Casing	I	Wood	purple	-0.5	QM
195	D	Door	Rgt	Jamb	I	Wood	purple	0.1	QM
196	D	Door	Rgt	Stop	I	Wood	purple	-0.3	QM
197	D	Door	Rgt		I	Wood	Stained	-0.3	QM
189	D	Closet	Lft	Door Stop	I	Wood	White	-0.2	QM
191	D	Closet	Lft	Shelf supp	I	Wood	White	-0.2	QM
192	D	Closet	Lft	Baseboard	I	Wood	White	-0.1	QM
187	D	Closet	Lft	Door Casing	I	Wood	White	-0.3	QM
193	D	Closet	Lft	Floor	I	Wood	Stained	0.0	QM
188	D	Closet	Lft	Door Jamb	I	Wood	White	-0.3	QM
190	D	Closet	Lft	Shelf	I	Wood	White	0.1	QM
Interior Room 012 Right Bed									
204	-	Floor	Rgt		I	Wood	Stained	0.0	QM
198	-	Ceiling	Rgt		I	Plaster	White	-0.2	QM
199	A	Wall	Rgt		I	Plaster	blue	-0.4	QM
205	A	Window	Ctr	Stop	I	Wood	White	0.2	QM
206	A	Window	Ctr	Sash	I	Wood	White	-0.4	QM
208	A	Window	Ctr	Apron	I	Wood	White	-0.4	QM
207	A	Window	Ctr	Sill	I	Wood	White	-0.5	QM
200	B	Wall	Rgt		I	Plaster	blue	-0.1	QM
201	C	Wall	Rgt		I	Plaster	blue	-0.2	QM
209	C	Window	Ctr	Sash	I	Wood	White	-0.5	QM
202	D	Wall	Rgt		I	Plaster	blue	-1.0	QM
203	D	Baseboard	Rgt		I	Wood	White	0.3	QM
224	D	Floor	Lft	Vent	P	metal	black	-0.3	QM
219	D	Door	Lft	Casing	I	Wood	White	-0.2	QM
220	D	Door	Lft	Jamb	I	Wood	White	-0.4	QM
221	D	Door	Lft	Jamb	I	Wood	White	-0.5	QM
222	D	Door	Lft	Stop	I	Wood	White	-0.4	QM
223	D	Door	Lft		I	Wood	Stained	-0.1	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Jason Pitts

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
212	D	Closet	Rgt	Baseboard	I	Wood	White	-0.4	QM
217	D	Closet	Rgt	Door Stop	I	Wood	White	0.1	QM
218	D	Closet	Rgt	Threshold	I	Wood	Stained	0.0	QM
215	D	Closet	Rgt	Door Casing	I	Wood	White	-0.4	QM
216	D	Closet	Rgt	Door Jamb	I	Wood	White	-0.1	QM
211	D	Closet	Rgt	Wall	I	Plaster	White	-0.1	QM
214	D	Closet	Rgt	Shelf Sup.	I	Wood	White	-0.3	QM
213	D	Closet	Rgt	Shelf	I	Wood	Stained	-0.2	QM
210	D	Closet	Rgt	Ceiling	I	Plaster	White	-0.3	QM

Calibration Readings

001								0.9	TC
002								0.9	TC
003								0.9	TC
226								0.8	TC
227								0.8	TC
228								0.8	TC

---- End of Readings ----

**APPENDIX 5**

**LEAD DUST SAMPLE LABORATORY REPORTS**



<b>EMSL - MA</b> 7 Constitution Way, Ste 107 Woburn, MA 01801 (781) 933-8411 (781) 933-8412 Fax	<b>EMSL - CT</b> 29 N. Plains Hwy, Unit 4 Wallingford, CT 06492 (203) 284-5948 (203) 284-5978 Fax	<b>EMSL - NY</b> 307 West 38 <sup>th</sup> Street New York, NY 10018 (866) 448-3675 (212) 290-0058 Fax	<b>EMSL - NJ</b> 107 Haddon Avenue Westmont, NJ 08108 (800) 220-3675 (856) 858-4960 Fax
---	---	--	---

**Your Name:** Brandy LeBlanc **Project Manager:** *0315/0493*  
**Company:** Eagle Environmental, Inc.  
**Street:** 8 South Main Street, Suite 3  
**City/State/Zip:** Terryville, CT 06786  
**Phone:** 860-589-8257 ext. 108 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; dwnnne@eagleenviro.com; rsioch@eagleenviro.com  
**Project Name:** *CSA, 16 Little Street* **Project #:** *15-015.10T4*  
**Project Location:** *Bridgeport* **Project State (US):** CT

TURNAROUND TIME

3 Hours   
  6 Hours   
  24 Hours   
  48 Hours   
  72 Hours   
  4 Days   
  5 Days   
  6-10 Days

SAMPLE MATRIX

Air   
  Bulk   
  Soil   
  Wipe   
  Micro-Vac   
  Drinking Water   
  Wastewater   
  Chips   
  Other

**ASBESTOS ANALYSIS**

**PCM - Air**  
 NIOSH 7400 (A) issue 2: August 1994  
 OSHA w/TWA  
**TEM AIR**  
 AHERA 40 CFR, Part 763 Subpart E  
 NIOSH 7402 Issue 2  
 EPA Level II  
**PLM - Bulk**  
 EPA 600/R-93/116  
 NY Stratified Point Count  
 California Air Resource Board (CARB) 435  
 NIOSH 9002  
 PLM NOB (Gravimetric) NYS 198.1  
 EPA Point Count (400 Points)  
 EPA Point Count (1,000 Points)  
 Standard Addition Point Count  
**SOILS**  
 EPA Protocol Qualitative  
 EPA Protocol Quantitative  
 EMSL MSD 9000 Method fibers/gram  
 Superfund EPA 540-R097-028 (dust generation)  
**TEM BULK**  
 Drop Mount (Qualitative)  
 Chatfield SOP-1988-02  
 TEM NOB (Gravimetric) NY 198.4  
**TEM MICROVAC**  
 ASTM D 5755-95 (Quantitative)  
**TEM WIPE**  
 ASTM D-6480-99  
 Qualitative  
**TEM WATER**  
 EPA 100.1  
 EPA 100.2  
 NYS 198.2  
 Other:

**LEAD ANALYSIS**

**Flame Atomic Absorption**  
 Wipe, SW846-7420  ASTM  non ASTM  
 Soil, SW846-7420  
 Air, NIOSH 7082  
 Chips, SW846-7420 or AOAC 5.009 (974.02)  
 Wastewater, SW 846-7420  
 TCLP LEAD SW846-1311/7420  
**Graphite Furnace Atomic Absorption**  
 Air, NIOSH 7105  
 Wastewater, SW846-7421  
 Soil, SW846-7421  
 Drinking Water, EPA 239.2  
**ICP - Inductively Coupled Plasma**  
 Wipe, SW846-6010  ASTM  non ASTM  
 Soil, SW846-6010  
 Air, NIOSH 7300

**MATERIALS ANALYSIS**

Full Particle Identification  
 Optical Particle Identification  
 Dust Mites and Insect Fragments  
 Particle Size & Distribution  
 Product Comparison  
 Paint Characterization  
 Failure Analysis  
 Corrosion Analysis  
 Glove Box Containment Study  
 Petrographic Examination of Concrete  
 Portland Cement in Workplace Atmospheres (OSHA ID-143)  
 Man Made Vitrous Fibers - MMVF's  
 Synthetic Fiber Identification  
 Other:

**MICROBIAL ANALYSIS**

**Air Samples**  
 Mold & Fungi by Air O Cell  
 Mold & Fungi by Agar Plate count & id  
 Bacterial Count and Gram Stain  
 Bacterial Count and Identification  
**Water Samples**  
 Total Coliforms, Fecal Coliforms  
 Escherichia Coli, Fecal Streptococcus  
 Legionella  
 Salmonella  
 Giardia arid Cryptosporidium  
**Wipe and Bulk Samples**  
 Mold & Fungi - Direct Examination  
 Mold & Fungi - (Culture follow up to direct examination if necessary)  
 Mold & Fungi - Culture (Count & ID)  
 Mold & Fungi - Culture (Count only)  
 Bacterial Count & Gram Stain  
 Bacterial Count & Identification (3 most prominent types)  
 Other:

**IAQ ANALYSIS**

Nuisance Dust (NIOSH 0500 & 0600)  
 Airborne Dust (PM10, TSP)  
 Silica Analysis by XRD  NIOSH 7500  
 HVAC Efficiency  
 Carbon Black  
 Airborne Oil Mist  
 Other:

MANHATTAN LAB  
 RECEIVED  
 4-9 AM 10/15

Additional Information/Comments/Instructions: **\*\*PLEASE STOP ON 1<sup>ST</sup> POSITIVE WITHIN SETS**

**Client Sample # (S)** *4/7 MR 13*    *4/7 MR 24*    **TOTAL SAMPLE #** *12*  
**Relinquished:** *UMDandy*    **Date:** *4/7/15*    **Time:** *Pm*  
**Received:** \_\_\_\_\_    **Date:** \_\_\_\_\_    **Time:** \_\_\_\_\_  
**Relinquished:** \_\_\_\_\_    **Date:** \_\_\_\_\_    **Time:** \_\_\_\_\_  
**Received:** *Sennel*    **Date:** *4/9/15*    **Time:** *10:00am*

*Fx: 7956-2561-0802*





# EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018  
Phone/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com> [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031510493  
CustomerID: EEVM50  
CustomerPO:  
ProjectID:

Attn: **Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
Fax: (860) 585-7034  
Received: 04/09/15 10:06 AM  
Collected: 4/7/2015

Project: 15-015.10T4/ CSA/ 16 LITTLE STREET / BRIDGEPORT

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
4/7 MR 13 Site: FOYER FLOOR AT ENTRY	031510493-0001	4/7/2015	4/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
4/7 MR 14 Site: PANTRY FLOOR AT ENTRY	031510493-0002	4/7/2015	4/9/2015	144 in <sup>2</sup>	15 µg/ft <sup>2</sup>
4/7 MR 15 Site: KITCHEN FLOOR	031510493-0003	4/7/2015	4/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
4/7 MR 16 Site: KITCHEN SILL	031510493-0004	4/7/2015	4/9/2015	88.5625 in <sup>2</sup>	<16 µg/ft <sup>2</sup>
4/7 MR 17 Site: BATHROOM FLOOR	031510493-0005	4/7/2015	4/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
4/7 MR 18 Site: BATHROOM SILL	031510493-0006	4/7/2015	4/9/2015	103.125 in <sup>2</sup>	31 µg/ft <sup>2</sup>
4/7 MR 19 Site: LOWER BED FLOOR	031510493-0007	4/7/2015	4/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
4/7 MR 20 Site: LOWER BED SILL	031510493-0008	4/7/2015	4/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
4/7 MR 21 Site: UPPER RIGHT BED FLOOR	031510493-0009	4/7/2015	4/9/2015	144 in <sup>2</sup>	15 µg/ft <sup>2</sup>
4/7 MR 22 Site: UPPER RIGHT BED SILL	031510493-0010	4/7/2015	4/9/2015	89.375 in <sup>2</sup>	220 µg/ft <sup>2</sup>
4/7 MR 23 Site: BLANK	031510493-0011	4/7/2015	4/9/2015	n/a	<10 µg/wipe
4/7 MR 24 Site: BLANK	031510493-0012	4/7/2015	4/9/2015	n/a	<10 µg/wipe

*M. Apfeldorfer*

Miron Apfeldorfer, Laboratory Manager  
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. 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.

\* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted  
Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 04/09/2015 23:19:03

**APPENDIX 6**  
**RADON TESTING REPORTS**

Site Radon Inspection Report

Date : 04/13/2015

Mr. Peter Folino  
EAGLE ENVIRONMENTAL  
8 South Main Street  
Suite #3  
Terryville, CT 06786-

Client: 15-015.10T4

Test Location: 16 Little Street  
Bridgeport, CT 06604-

## Individual Canister Results

Canister ID# :	2340603	Test Start :	04/07/2015 @ 10:23
Canister Type :	Charcoal Canister 3 inch	Test Stop :	04/10/2015 @ 10:02
Location :	Basement-Laundry Folding	Received:	04/13/2015 @ 17:34
Radon Level :	0.8 pCi/L	Analyzed:	04/15/2015 @ 15:23
Error for Measurement is: ±	0.4 pCi/L		

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon ([www.epa.gov/radon/pubs/citguide.html](http://www.epa.gov/radon/pubs/citguide.html)). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at [www.epa.gov/iaq/radon](http://www.epa.gov/iaq/radon).

**For New Jersey clients:** Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

**For New York clients:** If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.

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**PLEDGE OF ASSURED QUALITY**

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.



*Andreas C. George*  
Andreas C. George  
Radon Measurement Specialist  
NJ MES 11089

*Dante Galan*  
Dante Galan  
Laboratory Director

NRSB ARL0001  
NYS ELAP ID: 10806  
PADEP ID: 0346  
NJDEP ID: NY933  
NJ MEB 90036  
FL DOH RB1609  
IL RNL2000201

**Instructions:** Tear of the center bar code label from canister and affix to sheet in space provided. Please make sure top bar code label is left on detector. Identify test location for each detector in  
Space provided for that detector (room #, location in room etc.) Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

REMOVE THIS PORTION AND AFFIX  
TO TEST INFORMATION FORM  
2340603



Blank?

4/7/15  
ne: 1023 Stop Time: 4/10/15 10:02 Duplicate? \_\_\_\_\_  
or other identifier Laundry Folding Room  
Blank? No Floor: Basement

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Radon Testing Corp. of America  
2 Hayes Street, Elmsford, NY 10523, Phone: (914)345-3380

**Radon Testing Summary Sheet**  
*Please fill out all pertinent information legibly*

**Send Results Report to:**

Contact: Peter Folino

Company/Agency/Board of Ed: Eagle Environmental, Inc

Address: 8 South Main Street, Suite # 3

City: Terryville State: CT Zip: 06786

Phone: 860-589-8257 Fax: 860-585-7034

Email: pfolino@eagleenviro.com

**Test Location Information:**

School District: \_\_\_\_\_ School Code #: \_\_\_\_\_

County: \_\_\_\_\_ Municipality: \_\_\_\_\_

Building/School Name: \_\_\_\_\_

Address: 16 Little Street 15-015.1074

City: Bridgeport State: CT Zip: \_\_\_\_\_

Placed by ID#: Michelle Rudy Retrieved by ID#: Kristen DeFrance

Start Date: 4/7/15 10:23 Stop Date: 4/10/15 10:02

Total # of detectors for this building: 1

**PLEASE CIRCLE APPROPRIATE CONDITIONS**

Building Type: Day Care-(D) Residential-(R) Non-Residential-(N)  
School-(S) Public School-(P) Unknown-(U)

Structural Type of Building: Basement-(B) Crawlspace-(C) Slab-on-grade-(S)  
Other-(O) Unknown-(U)

Purpose of Test: Standard-(S) Real Estate-(R) Duplicate-(DP) Blank-(BL)  
Post Mitigation-(POM)

Test Conditions: Open House-(OH) Closed House-(CH) Rainy-(RA)  
Windy-(WY) Unknown-(NO)

**APPENDIX 7**  
**MOLD INSPECTION FORMS**



**MOLD OBSERVATION FORM**

Eagle Project No: 15-015.10T4 Date: April 7, 2015 Inspector: Michelle Rudy

Facility Address: 16 Little Street, Bridgeport, CT

Location	Observation	Sample Number
Interior Rooms	No visible mold spore growth was identified. Resident stated	
	that she had the basement cleaned with anti-mold agents three	
	(3) times since it flooded.	



## MOLD MOISTURE READING FORM

Eagle Project No: 15-015.10T\_ Date: April 7, 2015 Inspector: Michelle Rudy

Facility Address: 16 Little Street, Bridgeport, CT

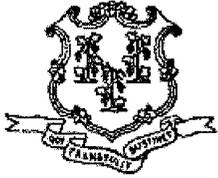
MOISTURE MODE						
ROOM	COMPONENT	SUBSTRATE	REL. SURFACE MOISTURE	DRY	AT RISK	WET
Pantry	Wainscoting Wall	Wood	7.4	X		
	Subfloors Backer Board	Gypsum/Wood	10.0	X		
Basement Furnace Room	Subfloor (Ceiling)	Wood	7.1	X		

HYGROMETER MODE				
TIME	ROOM	% RELATIVE HUMIDITY	AIR TEMP.	DEW POINT TEMP.
12:37 PM	Pantry	39.4	67.3	41.7
12:51 PM	Furnace Room	39.5	63.5	39.0



**APPENDIX 8**

**LEAD INSPECTION AND TESTING SUMMARY FORM**



# STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

## LEAD INSPECTION AND TESTING SUMMARY FORM

This lead inspection and testing summary form must be completed and sent to the property owner of the property in accordance with Section 19a-111-3 (d) of the regulations of Connecticut State Agencies concerning Lead Poisoning Prevention and Control. A Comprehensive Lead Inspection is one performed to satisfy CGS 19a-111 (epidemiological investigation) and CGS 19a-110(d) (on-site inspection). Bare soil areas, dust and water are required to be tested for the presence of lead as part of a comprehensive lead inspection.

### PROPERTY INSPECTED/TESTED

(Check): Residence  Child Day Care Center/Group Day Care Home  Family Day Care Home   
Name: \_\_\_\_\_ Name: \_\_\_\_\_

(Check One): Comprehensive Lead Inspection  Limited Testing

Street Address: 16 Little Street Apt.# \_\_\_\_\_ Floor: \_\_\_\_\_

City/Town: Bridgeport Zip Code: 06413 Telephone: \_\_\_\_\_

If Apartment, Number of Units: \_\_\_\_\_ Year Property Built: 1918

### PROPERTY OWNER

Name: Marilyn Curwen

Street Address: 16 Little Street City: Bridgeport

State: Connecticut Zip Code: 06413 Telephone: 203-367-6241

### INSPECTING ENTITY

#### A. If Consultant Contractor:

Name: Eagle Environmental, Inc.

Street Address: 8 South Main Street, Suite 3

City: Terryville State: Connecticut Zip Code: 06786

Consultant License Number: 001723

Inspector's Name: Hannah Hintz & Kristen DeFrance Telephone: 860-589-8257

Inspector's Certification Number: 002244 & 002206

#### B. If Code Enforcement Agency:

Department Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Inspector's Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Date of Inspector's Initial Training: \_\_\_\_/\_\_\_\_/\_\_\_\_ Date of Latest Refresher Training: \_\_\_\_/\_\_\_\_/\_\_\_\_

**INSPECTION INFORMATION**

**Beginning and End Date(s) of Inspection:** 4/7/15 / and / 4/21/15

For each day that the inspection was conducted consent was given by an adult occupant of the dwelling unit to enter and inspect all areas of the dwelling that are under the control of that individual or to which that individual has legitimate access.

Yes  No

Name of person 18 years of age or older who granted consent: Marilyn Curwen Age: +18 Date: 4/7/15

Name of person 18 years of age or older who granted consent: Marilyn Curwen Age: +18 Date: 4/21/15

**A. Were Lead-Based Surfaces Identified? (Check One)**  Yes  No

If yes, complete the tables below. Data in tables may not indicate all identified lead-based surfaces.

EXTERIOR Lead-Based Surfaces	Foundation	Siding &/or Trim	Stairs &/or Stair Components	Porch &/or Porch Components	Doors &/or Trim	Windows &/or Trim	Garage &/or Garage Components
Deteriorated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(X = positive location)

INTERIOR Lead-Based Surfaces	Floors	Baseboards	Walls	Ceilings	Stairs &/or Stair Components	Doors &/or Trim	Windows &/or Trim	Closet/ Cabinet Components
Deteriorated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(X = positive location)

Were rooms, areas or components inaccessible during inspection? (Check One)  Yes  No

List any inaccessible locations: This dwelling is the center unit within a Co-Op Building, therefore exterior surfaces that were not solely associated with this dwelling were not tested. Soil samples were not collected for the same reason.

**B. Indicate Potential Lead Hazards Identified:**

(Check All That Apply)

Was drinking water tested for lead?

Yes  No

Was dust tested for lead?

Yes  No

Was bare soil tested for lead?

Yes  No  N/A If yes, complete the adjacent table.

Lead Hazard Locations	Floors (dust)	Window Sills (dust)	Window Wells (dust)	Soil	Water	Paint (XRF)	Paint Chip
(Enter highest result for each)	15	220	n/a	n/a	n/a	>9.9	n/a

Per section 19a-111-4(a) and 19a-111-2(e) of the Lead Poisoning Prevention and Control Regulations:

A lead abatement plan is required for this property:  Yes  No

A lead management plan is required for this property:  Yes  No

A lead hazard remediation plan is required for this property:  Yes  No

A lead management plan is required for this property:  Yes  No

Inspector's Signature: *Kiri DeFrance* Date: 4 / 21 / 15

The federal Residential Lead-Based Paint Hazard Reduction Act, 42 U.S.C. 4852d, requires sellers and landlords of most residential housing built before 1978 to disclose all available records and reports concerning lead-based paint and/or lead-based paint hazards, including the test results contained or referenced in this notice, to purchasers and tenants at the time of sale or lease or upon lease renewal. This disclosure must occur even if hazard reduction or abatement has been completed. Failure to disclose these test results is a violation of the U.S. Department of Housing and Urban Development and the U.S. Environmental Protection Agency regulations at 24 CFR Part 35 and 40 CFR Part 745 and can result in a fine of up to \$11,000 per violation. To find out more information about your obligations under federal lead-based paint requirements, call 1-800-424-LEAD.

I have received a copy of this summary report from my landlord/property manager and have been informed that I can obtain further information about the testing results from the report by contacting the property owner listed above.

Resident's Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**APPENDIX 9**

**ABATEMENT AND CONSULTING COST ESTIMATE**

**HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES**

**APPLICATION NO. 1732**

**16 LITTLE STREET**

**BRIDGEPORT, CONNECTICUT**

**ASBESTOS ABATEMENT COST ESTIMATE**

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
CHIMNEY FLUE CEMENT	1	\$ 250.00 EACH	\$ 250.00
DOOR FRAME CAULK	30	\$ 36.00 LF	\$ 1,080.00
ROOF FLASHING CEMENT	30	\$ 10.00 SF	\$ 300.00
SUBTOTAL			\$ 1,630.00
ASBESTOS ABATEMENT CONTINGENCY			\$ 163.00
ASBESTOS TOTAL			\$ 1,793.00

**LEAD BASED PAINT COST ESTIMATE**

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD-BASED PAINT CONTINGENCY	1	\$ 13,500.00 EACH	\$ 13,500.00
SUBTOTAL			\$ 13,500.00
LEAD RENOVATION CONTINGENCY			\$ 2,700.00
LEAD RENOVATION TOTAL			\$ 16,200.00

**HAZARDOUS MATERIALS ABATEMENT SUBTOTAL** \$ 17,993.00

**HAZARDOUS MATERIALS CONSULTING COST ESTIMATE**

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
HAZARDOUS MATERIALS CONSULTING CONTIN.	1	\$2,500.00 EACH	\$ 2,500.00
SUBTOTAL			\$ 2,500.00
CONSULTING CONTINGENCY			\$ 250.00
CONSULTING TOTAL			\$ 2,750.00

**GRAND TOTAL** \$ 20,743.00

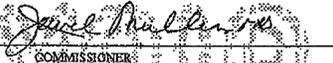
**APPENDIX 10**  
**EAGLE ENVIRONMENTAL, INC. LICENSES**  
**AND LABORATORY CERTIFICATES**

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH  
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS LICENSED  
BY THIS DEPARTMENT AS A  
LEAD CONSULTANT CONTRACTOR

EAGLE ENVIRONMENTAL INC.

LICENSE NO.  
001723  
CURRENT THROUGH  
04/30/15  
VALIDATION NO.  
03-794089

  
SIGNATURE

  
COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Michelle Rudy**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

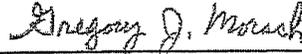
*conducted by*

*Cardno ATC*  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070



Principal Instructor: Marc Souza  
December 18, 2014  
Date of Course

December 18, 2015  
Expiration Date



Regional Training Manager: Gregory Morsch  
SIAR-5024  
Certificate Number

December 18, 2014  
Examination Date

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

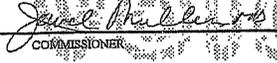
MICHELLE I RUDY

CERTIFICATE NO.  
000848

CURRENT THROUGH  
01/31/16

VALIDATION NO.  
03-133678

  
SIGNATURE

  
COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Hannah Hintz**

263 Queen Street, Bristol, CT 06010  
000-00-0583

*has successfully completed the*

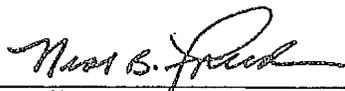
## **INSPECTOR RISK ASSESSOR REFRESHER**

*Training Course*

*conducted by*

*Cardno ATC*

73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070



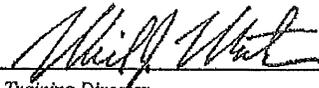
Principal Instructor:

October 2, 2014  
Date of Course

CTLIRAR-377  
Certificate Number

October 2, 2014  
Exam Date

October 2, 2015  
Expiration Date



Interim Training Director

*Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 20-477 of the Connecticut General Statutes.*

### STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

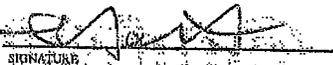
THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
**LEAD INSPECTOR RISK ASSESSOR**

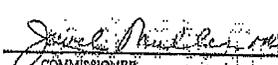
HANNAH E HINTZ

CERTIFICATE NO.  
002244

CURRENT THROUGH  
06/30/15

VALIDATION NO.  
03-912707

  
SIGNATURE

  
COMMISSIONER

# State of Connecticut, Department of Public Health

## Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

### EMSL ANALYTICAL, INC. - MANHATTAN, NY

LOCATED AT 307 West 38<sup>th</sup> Street IN New York, NY 10018  
AND REGISTERED IN THE NAME OF Peter Frasca, Ph.D.

THIS CERTIFICATE IS ISSUED IN THE NAME OF James Hall WHO HAS BEEN DESIGNATED  
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF  
APPROVAL AS FOLLOWS:

#### ASBESTOS

#### Environmental Health & Housing

#### Examination For:

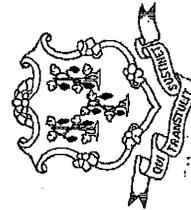
#### Examination For:

Bulk - Identification (PLM, TEM)  
Air - Fiber Counting (PCM, TEM)  
Water - TEM

Lead in Paint  
Lead Paint in Soil  
Lead in Dust Wipes

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2016 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH  
DATED AT HARTFORD, CONNECTICUT, THIS 3<sup>rd</sup> DAY OF September 2014



Registration No.

PH-0170

SUZANNE BLANCAFLOR, MS  
CHIEF, ENVIRONMENTAL HEALTH SECTION

# The National Radon Safety Board

National Radon Safety Board

# NRSB

Certified Radon Professionals

**Radon Testing Corp. of America (RTCA)**

*Located at: 2 Hayes Street  
Elmsford NY 10523*

has successfully met the established and published requirements for Accreditation by The National Radon Safety Board as an

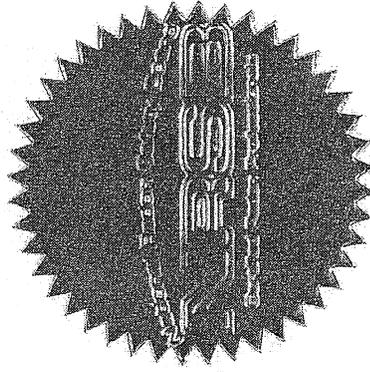
## ACCREDITED RADON LABORATORY

NRSB ARL0001

Certification Number

11/30/2015

Expiration Date



*Michelle Kunderlich*  
Executive Secretary

*This certificate is the property of The National Radon Safety Board and is not official without the raised seal.*