EAGLE Environmental, Inc.

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

May 14, 2014

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
107-109 Pendleton Street
New Haven, Connecticut
Application #2316
Eagle Project No. 14-028.12T6

Dear Mr. Holmes:

Please find the attached Environmental Assessment Report conducted at 107-109 Pendleton Street located in New Haven, 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 hazard screen, 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:
Andrew Carnevale
Environmental Consultant I

Report Reviewed By:
Peter J. Folino
Project Manager

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1. INTRODUCTION

On April 14 and May 6, 2014, Eagle Environmental, Inc. conducted an environmental assessment of portions of the site building located at 107-109 Pendleton Street in New Haven, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a lead-based paint screen, Radon testing and a visual inspection for microbial contamination.

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 are determined by reviewing the planned renovation work provided in CSA's Project Scope dated February 24, 2014. For the purpose of this project the following areas were inspected:

- Porch Roof one (1)
- Porch Roof two (2)
- Main Roof

In addition to testing the areas of the building that will be impacted by the renovation work, a lead hazard screen was performed throughout the site building 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.

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 Andrew Carnevale; a State of Connecticut licensed Asbestos Inspector (license #000850).

2.2 Lead-based Paint

A lead-based paint hazard screen was performed 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.

Certain lead-based paint requirements apply to each project depending on the level of Federal Funding allocated. The bolded text indicates the requirements applicable to this project based on the anticipated level of funding. 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. Provide notice to residents of lead evaluation within 15 days of assessment.

   c. Lead safe work practices are to be utilized during rehabilitation work that will disturb lead-based painted surfaces.

   d. Perform interim controls on all lead hazards identified during the lead hazard screen.

   e. Perform clearance testing following interim control work and renovations.

   f. 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. Provide notice to residents of lead evaluation to within 15 days of assessment.

d. 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.

e. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.

f. Perform clearance testing following abatement work.

g. Provide notice of lead-hazard reduction within 15 days of completion of work.

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. The lead hazard screen was performed in accordance with State requirements, where applicable.

The lead hazard screen was performed by Andrew Carnevale and Kristen Liljehult, State of Connecticut licensed Lead Inspector/Risk Assessors (license #002247 and 002206, respectively).

2.3 Radon Testing

Radon testing for this program is performed on a case-by-case basis. Building's which are constructed on piers 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, toweled 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 the property located at 107-109 Pendleton Street, New Haven, 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 the property located at 107-109 Pendleton Street, New Haven, Connecticut.

3.2 Lead-based Paint

The lead hazard screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 1364 and 2753. Eagle did not presume lead-based paint to be present but tested where defective paint was visually identified.

Due to the level of proposed Federal Funding for this project (between $5,000.00 and $25,000 per unit), a lead-hazard screen was performed, which included testing surfaces where defective paint or surface coatings were identified. A visual inspection was performed to evaluate the condition of surface coating associated with the building. 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^2. 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 ≥1.0 mg/cm^2 of lead by XRF.

In addition to XRF testing, dust samples were collected at the time of inspection if defective lead-based paint was identified. The exterior grounds were evaluated as well for bare areas of soil. Soil sampling was performed where bare soil areas were identified. The dust and soil hazards are incorporated into the Lead-Based Paint Hazard Reduction Plan, as required.

3.3 Radon Testing

The site building is located in an area with a Low Radon Potential Rating. Therefore, Radon testing was not performed.

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 twelve (12) bulk samples of suspect ACM were collected and eleven (11) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

The following materials were confirmed to be ACM:

- Edge flashing cement on Porch Roof one (1)

Porch Roof one (1) is the second floor porch roof. The flashing cement is classified as an exterior non-friable ACM and is not regulated under the CT DPH asbestos regulations. However, contractors performing work that impacts the ACM must comply with the US Department of Labor's Occupational Safety and Health Administration (OSHA), the USEPA National Emission Standard for Hazardous Air Pollutants and the CT DEEP regulated waste disposal regulations.
The remaining materials that were tested were confirmed to be non-ACM and no further action is required. The furnace was replaced by the homeowner prior to the inspection.

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.

Any suspect material not specifically identified in this report as non-ACM should be assumed to contain asbestos unless sample results prove otherwise.

4.2 Lead-based Paint

A copy of this lead-hazard screen report must be provided to residence within fifteen (15) days of the evaluation. A total of three hundred and eleven (311) XRF readings were collected during the lead-hazard screen of the building. From the three hundred and eleven (311) readings, one hundred and fourteen (114) were found to contain lead-based paint.

A complete inventory of tested building materials is presented in Detailed Reports contained Appendix 3.

No children under the age of six (6) years old resided at this site building at the time of the inspection. However, the Federal funding for this project is anticipated to be between $5,000.00 and $25,000.00 per unit. All interior and exterior lead-based paint hazards must be controlled utilizing interim controls (temporary measures). This residence is considered target housing by the USEPA. All lead-hazard remediation work shall be performed in compliance with the USEPA Renovation, Remodeling and Painting (RRP) Rule as prescribed by 40 CFR Part 745.80 Subpart E. Including USEPA RRP Firm Certification, USEPA RRP Renovator Certification, Disclosure and Notification, Placement of Warning Signs, Lead-Safe Work Practice, Cleaning and Post Remediation Lead Dust Clearance by an approved USEPA method.

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 mg/cm^2 +/- 0.3 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 thirty-four (34) dust wipes were collected at the time of inspection. Dust-lead hazards were identified in the following areas:

First Floor Dwelling Unit
- Living Room floor at entry
- Dining Room floor
- Dining Room window well
- Kitchen floor at entry
- Bathroom floor

First Floor Dwelling Unit
- Living Room floor at entry
- Living Room window sill
- Bedroom 1 window sill

Third Floor Dwelling Unit
- Hallway floor at entry
- Bedroom 1 window sill
- Bedroom 2 window sill
- Living Room window well
- Kitchen window sill

Common Areas
- Front Stair 1st floor landing
- Front Stair 2nd floor landing
- Front Stair 3rd floor landing
- Front Stair window sill
- Rear Stair 1st floor landing
- Rear Stair 2nd floor landing
- Rear Stair 3rd floor landing
- Rear Stair window sill

4.2.2 Soil Hazards

A total of three (3) soil samples were collected at the time of inspection. Soil-lead hazards were identified in the following areas:
- "C" side drip line
- "C" side mid-rear yard
- "D" side garden

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 Low (6%). 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).

Based on a review of the Indoor Radon Potential Map of Connecticut, Radon testing was not performed.

4.4 Mold

The physical inspection did not identify any suspect microbial growth associated with the roofs.

The mold inspection forms are provided in appendix 5.

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 Total Project or Abatement Cost, the Owner shall employ an independent cost estimator.

The cost estimates are provided in Appendix 6.

TABLE I

ASBESTOS CONTAINING MATERIALS SUMMARY TABLE

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
Porch Roof 1	Edge flashing cement	4-14-AC-03	MISC	8% Chrys			YES	25 LF	NF
		4-14-AC-04		DNA					

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	SF = SQUARE FEET	PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
NAD = NO ASBESTOS DETECTED	LF = LINEAR FEET	TEM NOB = NEW YORK ELAP 198.4 METHOD
F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	Amos = Amosite	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	Anth = Anthophylite	EA = Each
SURF = SURFACING MATERIAL	Trem = Tremolite	
MISC = MISCELLANEOUS MATERIAL	Croc = Crocidolite	

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TABLE II

NON-ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Porch Roof 1	Black asphalt shingle	4-14-AC-01	MISC	NAD			NO
		4-14-AC-02		NAD			
Porch Roof 1	Bottom layer red shingle	4-14-AC-05	MISC	NAD			NO
		4-14-AC-06		NAD			
Porch Roof 2	Rolled roofing	4-14-AC-07	MISC	NAD			NO
		4-14-AC-08		NAD			
Porch Roof 2	Vapor barrier paper	4-14-AC-09	MISC	NAD			NO
		4-14-AC-10		NAD			
Main Roof Roof 3	Grey asphalt shingle	4-14-AC-11	MISC	NAD			NO
		4-14-AC-12		NAD			

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	SF = SQUARE FEET	PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
NAD=NO ASBESTOS DETECTED	LF = LINEAR FEET	TEM NOB = NEW YORK ELAP 198.4 METHOD
F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	Amos = Amosite	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	Anth = Anthophylite	EA = Each
SURF = SURFACING MATERIAL	Trem = Tremolite	
MISC = MISCELLANEOUS MATERIAL	Croc = Crocidolite	

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

APPENDIX 1

FLOOR PLANS

CAPITOL STUDIOS ARCHITECTS

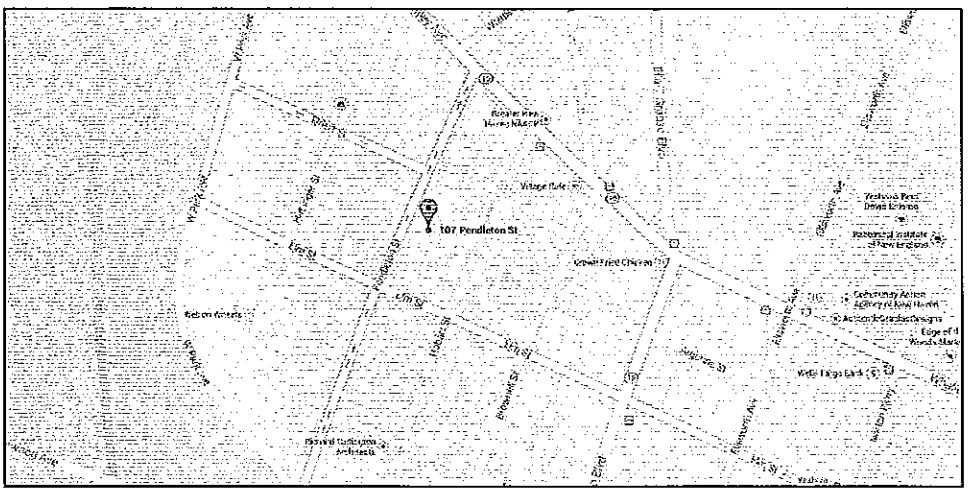
14-028.12T6

107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT

INDEX OF DRAWINGS

SP-1 SITE PLAN WITH SOIL SAMPLE LOCATIONS
FP-1 BASEMENT PLAN
FP-2 FIRST FLOOR PLAN
FP-3 SECOND FLOOR PLAN

LOCATION MAP



MAY 8, 2014

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

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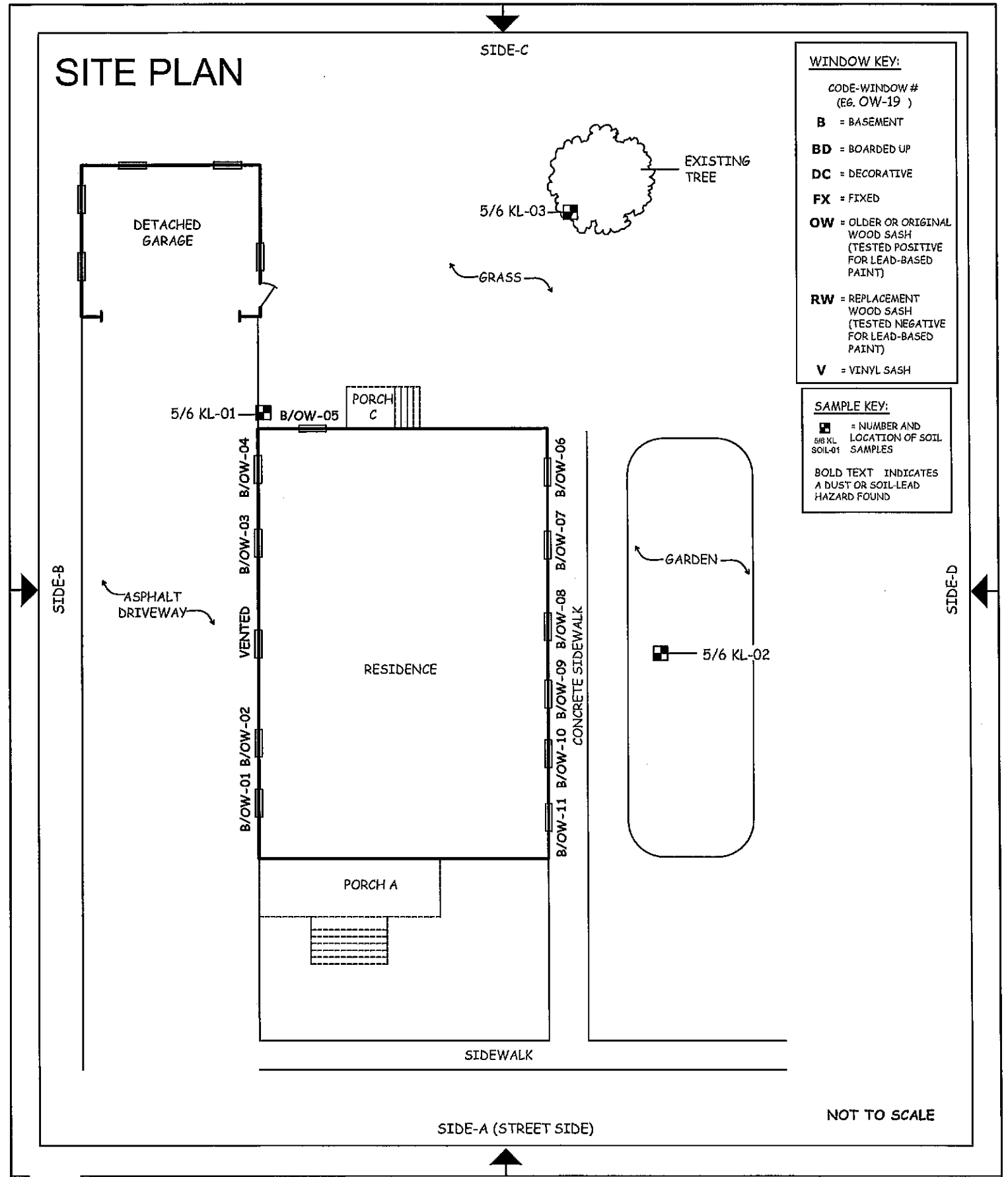
SITE PLAN



WINDOW KEY:

CODE-WINDOW # (EG. OW-19)

- **B** = BASEMENT
- **BD** = BOARDED UP
- **DC** = DECORATIVE
- **FX** = FIXED
- **OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- **RW** = REPLACEMENT WOOD SASH (TESTED NEGATIVE FOR LEAD-BASED PAINT)
- **V** = VINYL SASH

SAMPLE KEY:

5/6 KL SOIL-01 = NUMBER AND LOCATION OF SOIL SAMPLES

BOLD TEXT INDICATES A DUST OR SOIL-LEAD HAZARD FOUND

NOT TO SCALE

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 05/08/14
PROJECT NO.: 14-028.12T6
DRAWN BY: VB
REVIEWED BY: AH

LEAD-BASED PAINT RISK ASSESSMENT
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT
SITE PLAN WITH SOIL SAMPLE LOCATIONS

SHEET NO.

SP-1

SHEET 1 OF 4

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BASEMENT

SIDE-C

WINDOW KEY:

CODE-WINDOW #
(EG. OW-19)

B = BASEMENT

BD = BOARDED UP

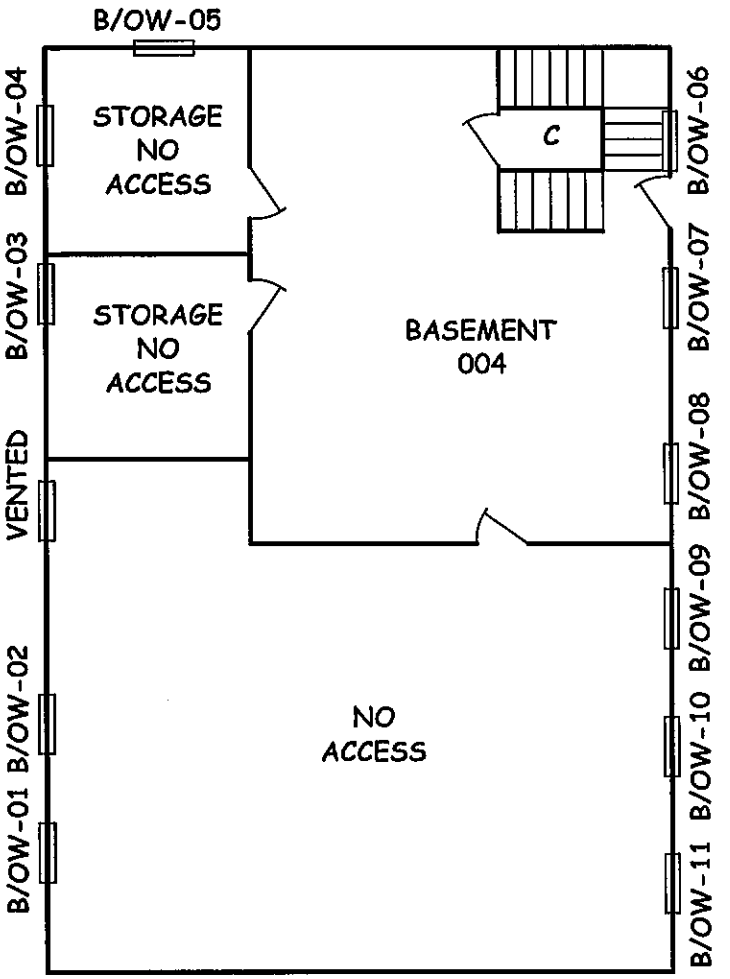
DC = DECORATIVE

FX = FIXED

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

RW = REPLACEMENT WOOD SASH (TESTED NEGATIVE FOR LEAD-BASED PAINT)

V = VINYL SASH



SIDE-B

SIDE-D

C = CLOSET EVALUATED WITH ADJACENT ROOM

COMMON AREAS INSPECTED SEPARATELY FROM UNIT

PRINTED IN BOLD ITALICS

SIDE-A (STREET SIDE)

NOT TO SCALE

EAGLE Environmental, Inc.

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

DATE: 05/08/14
PROJECT NO.: 14-028.12T6
DRAWN BY: VB
REVIEWED BY: AH

LEAD-BASED PAINT RISK ASSESSMENT
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT
BASEMENT PLAN

SHEET NO.

FP-1

SHEET 2OF 4

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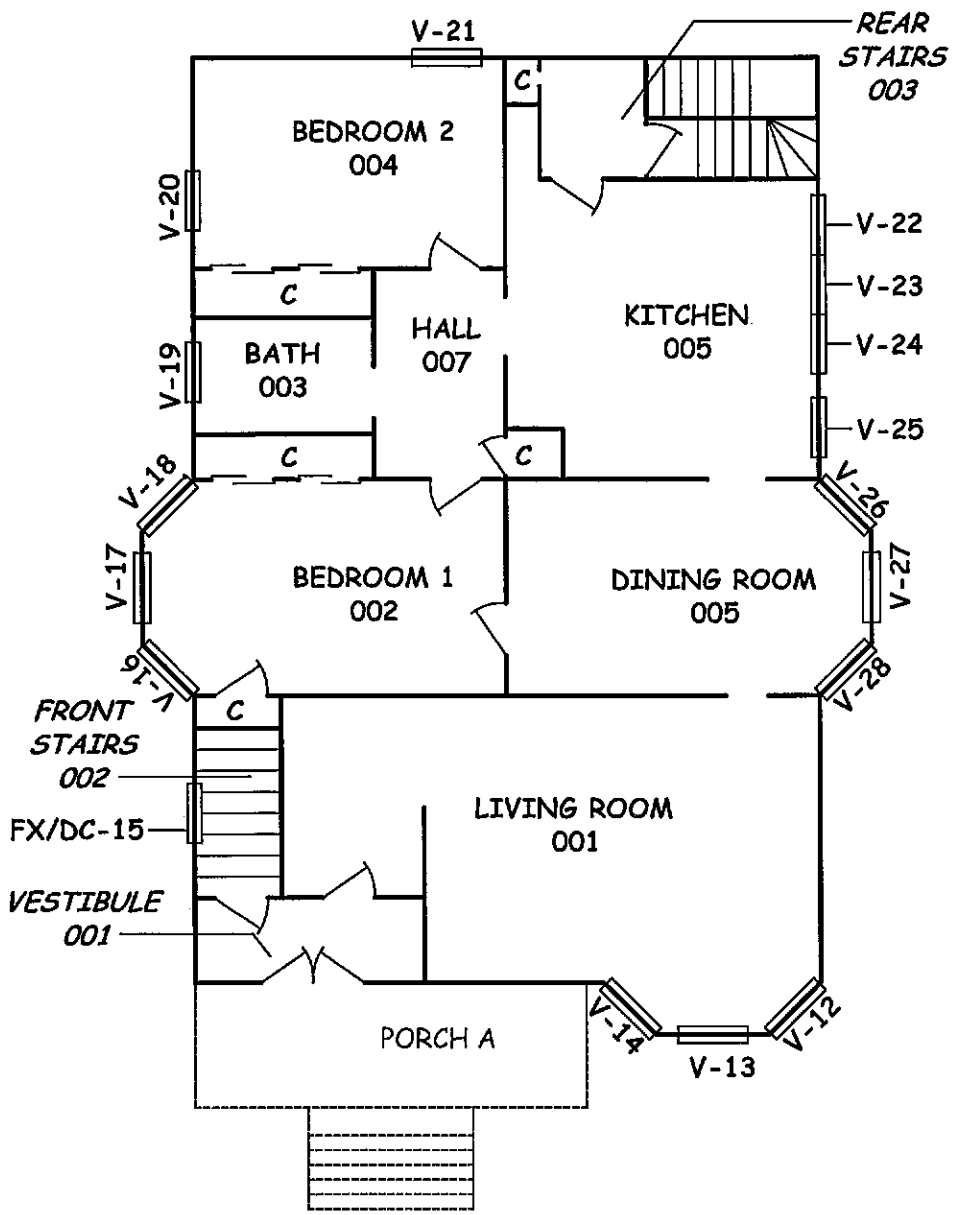
FIRST FLOOR

SIDE-C



SIDE-B

SIDE-D

WINDOW KEY:

CODE-WINDOW # (EG. OW-19)

- **B** = BASEMENT
- **BD** = BOARDED UP
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- **OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- **RW** = REPLACEMENT WOOD SASH (TESTED NEGATIVE FOR LEAD-BASED PAINT)
- **V** = VINYL SASH

C = CLOSET EVALUATED WITH ADJACENT ROOM

COMMON AREAS INSPECTED SEPARATELY FROM UNIT

PRINTED IN BOLD ITALICS

NOT TO SCALE

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

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

DATE: 05/08/14
PROJECT NO.: 14-028.12T6
DRAWN BY: VB
REVIEWED BY: AH

LEAD-BASED PAINT RISK ASSESSMENT
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT
FIRST FLOOR PLAN

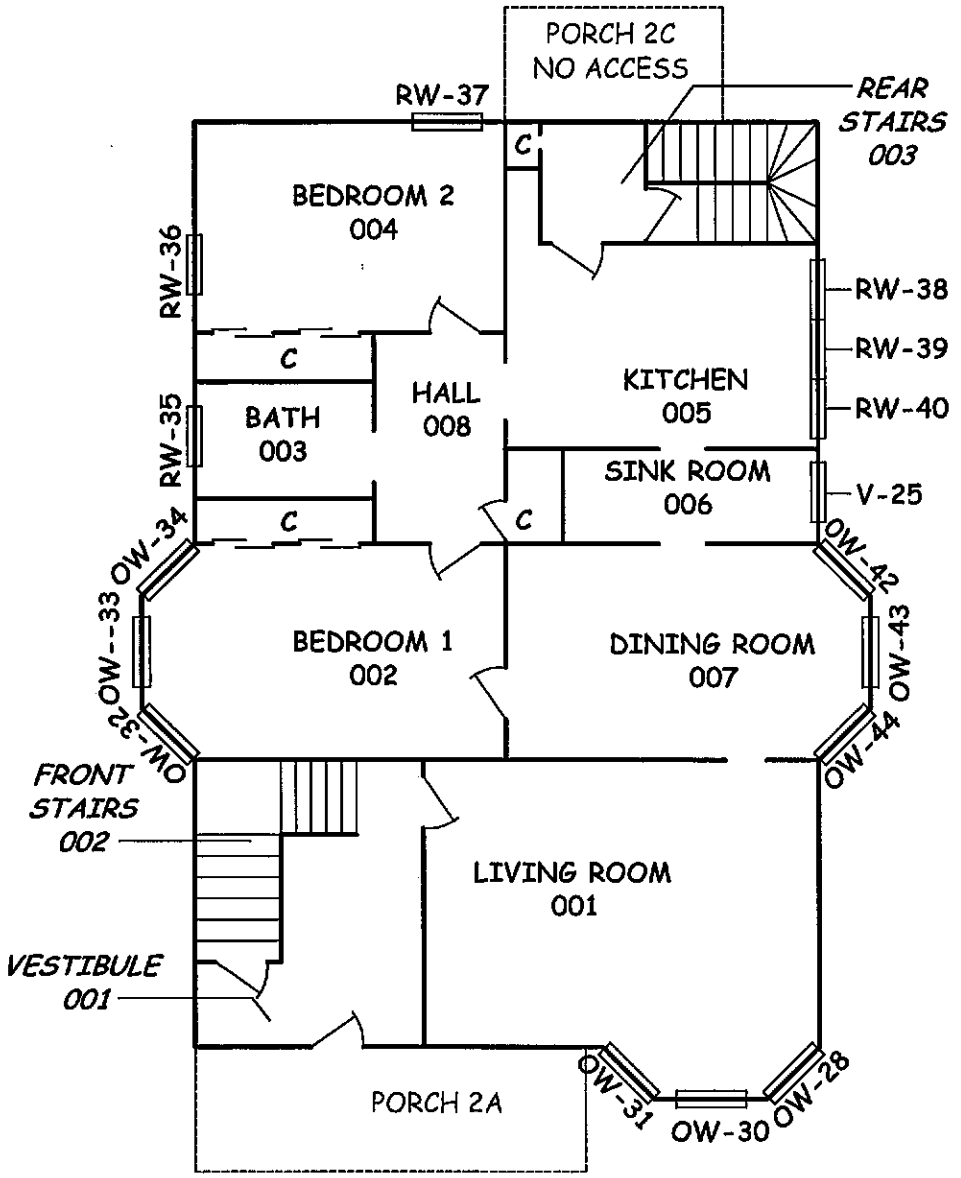
SHEET NO.

FP-2

\\Eaglesvr\public\2014 Files\2014 AutoCAD\Capital Studio Architects\107-109 PENDLETON STREET\INSPECTION\cad\107-109 PENDLETON STREET.dwg

SECOND FLOOR

SIDE-C



SIDE-B

SIDE-D

WINDOW KEY:

CODE-WINDOW # (EG. OW-19)

- **B** = BASEMENT
- **BD** = BOARDED UP
- **DC** = DECORATIVE
- **FX** = FIXED
- **OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- **RW** = REPLACEMENT WOOD SASH (TESTED NEGATIVE FOR LEAD-BASED PAINT)
- **V** = VINYL SASH

C = CLOSET EVALUATED WITH ADJACENT ROOM

COMMON AREAS INSPECTED SEPARATELY FROM UNIT

PRINTED IN BOLD ITALICS

NOT TO SCALE

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

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

DATE: 05/08/14
PROJECT NO.: 14-028.12T6
DRAWN BY: VB
REVIEWED BY: AH

LEAD-BASED PAINT RISK ASSESSMENT
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT
SECOND FLOOR PLAN

SHEET NO.

FP-3

SHEET 4OF 4

\\Eaglesvr\public\2014 Files\2014 AutoCAD\Capital Studio Architects\107-109 PENDLETON STREET\INSPECTION\cad\107-109 PENDLETON STREET.dwg

APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

OrderID: 241401302

24140130 2

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

www.emsl.com

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. 203 **Fax:** 860-585-7034	**Email:**	bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com
Project Name	CAPITAL STUDIO ARCHITECTS	**Project #:**	14-028.12T6
Project Location:	107-109 PENDLETON ST., NEW HAVEN	**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 Characterizaton
- ☐ 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 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

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

Client Sample # (S)	4-14-AC-01	4-14-AC-12		**TOTAL SAMPLE #**	11 / 12
Relinquished:	ANDREW CARNEVALE	**Date:**	4/14/2014	**Time:**	PM
Received:	NANCY PORTER	**Date:**	4/14/2014	**Time:**	PM
Relinquished:	NANCY PORTER	**Date:**	4/15/2014	**Time:**	PM
Received:		**Date:**		**Time:**	

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By EAT Drop Box

OrderID: 241401302 24140130

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th 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

www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (inches sq.)
4-14-AC-01	Black asphalt shingle	Roof 1		NAD
4-14-AC-02	Black asphalt shingle	Roof 1		↓
4-14-AC-03	Edge flashing	Roof 1		8% Chrys
4-14-AC-04	Edge flashing	Roof 1		DNA
4-14-AC-05	Bottom layer red shingle	Roof 1		NAD
4-14-AC-06	Bottom layer red shingle	Roof 1		
4-14-AC-07	Rolled roofing	Roof 2		
4-14-AC-08	Rolled roofing	Roof 2		
4-14-AC-09	Vapor barrier paper	Roof 2		
4-14-AC-10	Vapor barrier paper	Roof 2		
4-14-AC-11	Grey asphalt shingle	Roof 3		
4-14-AC-12	Grey asphalt shingle	Roof 3		↓

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Page 2

EMSL Analytical, Inc.
29 North Plains Highway, Unit # 4, Wallingford, CT 06492
Phone/Fax: 203-284-5948 / (203) 284-5978
http://www.EMSL.com wallingfordlab@emsl.com

EMSL Order:	241401302
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:	04/16/14 9:00 AM
Analysis Date:	4/17/2014
Collected:	4/14/2014

Project: **14-028.12T6/CAPITAL STUDIO ARCHITECTS, 107-109 PENDLETON ST., NEW HAVEN**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
4-14-AC-01 *241401302-0001*	Roof 1 - black asphalt shingle	Black Non-Fibrous Homogeneous	25%	Cellulose	75% Non-fibrous (other)	**None Detected**
4-14-AC-02 *241401302-0002*	Roof 1 - black asphalt shingle	Black Non-Fibrous Homogeneous	20%	Cellulose	5% Ca Carbonate 75% Non-fibrous (other)	**None Detected**
4-14-AC-03 *241401302-0003*	Roof 1 - edge flashing	Black Non-Fibrous Homogeneous			92% Non-fibrous (other)	**8% Chrysotile**
4-14-AC-04 *241401302-0004*	Roof 1 - edge flashing					**Stop Positive (Not Analyzed)**
4-14-AC-05 *241401302-0005*	Roof 1 - bottom layer red shingle	Brown/Black Non-Fibrous Homogeneous	30% 2%	Cellulose Synthetic	68% Non-fibrous (other)	**None Detected**
4-14-AC-06 *241401302-0006*	Roof 1 - bottom layer red shingle	Brown/Black Non-Fibrous Homogeneous	35% <1%	Cellulose Synthetic	65% Non-fibrous (other)	**None Detected**
4-14-AC-07 *241401302-0007*	Roof 2 - rolled roofing	Black Fibrous Homogeneous	18%	Synthetic	82% Non-fibrous (other)	**None Detected**
4-14-AC-08 *241401302-0008*	Roof 2 - rolled roofing	Black Fibrous Homogeneous	15%	Synthetic	10% Ca Carbonate 75% Non-fibrous (other)	**None Detected**

Analyst(s)

Kristin Lopez (6)
William Shedrawy (5)

Gloria V. Oriol, 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. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from 04/17/2014 10:56:00

EMSL Analytical, Inc.
29 North Plains Highway, Unit # 4, Wallingford, CT 06492
Phone/Fax: 203-284-5948 / (203) 284-5978
http://www.EMSL.com wallingfordlab@emsl.com

EMSL Order:	241401302
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:	04/16/14 9:00 AM
Analysis Date:	4/17/2014
Collected:	4/14/2014

Project: **14-028.12T6/CAPITAL STUDIO ARCHITECTS, 107-109 PENDLETON ST., NEW HAVEN**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
4-14-AC-09 *241401302-0009*	Roof 2 - vapor barrier paper	Black Fibrous Homogeneous	12% Glass <1% Cellulose		88% Non-fibrous (other)	**None Detected**
4-14-AC-10 *241401302-0010*	Roof 2 - vapor barrier paper	Black Fibrous Homogeneous	7% Glass <1% Cellulose		5% Ca Carbonate 88% Non-fibrous (other)	**None Detected**
4-14-AC-11 *241401302-0011*	Roof 3 - grey asphalt shingle	Black Non-Fibrous Homogeneous	30% Cellulose		70% Non-fibrous (other)	**None Detected**
4-14-AC-12 *241401302-0012*	Roof 3 - grey asphalt shingle	Black Non-Fibrous Homogeneous	40% Cellulose		60% Non-fibrous (other)	**None Detected**

Analyst(s)
Kristin Lopez (6)
William Shedrawy (5)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from 04/17/2014 10:56:00

APPENDIX 3

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01364 - 04/14/14 08:10

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

PERFORMED AT: 107-109 Pendleton Street
New Haven, CT

INSPECTION DATE: 04/14/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01364

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002247

Lead based paint screen performed for renovations.

SIGNED: _____ Date: 4-14-14

Andrew Carnevale
Environmental Consultant
Eagle Environmental, Inc.
8 South Main Street, Suite 3
Terryville, CT 06786

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

Inspection Date:	04/14/14	107-109 Pendleton Street
Report Date:	4/14/2014	New Haven, CT
Abatement Level:	1.0	
Report No.	S#01364 - 04/14/14 08:10	
Total Readings:	14	
Job Started:	04/14/14 08:10	
Job Finished:	04/14/14 09:09	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
004	A	rakeboard	Ctr		P	Wood	white	0.3	QM
005	A	rakeboard	Ctr		P	Wood	white	2.5	QM
006	A	soffit	Ctr		P	Wood	white	7.1	QM
010	A	siding	Ctr		P	Wood	blue	1.4	QM
011	A	fascia	Ctr		P	Wood	white	>9.9	QM
Exterior Room 002 Facade B									
007	B	siding	Ctr		P	Wood	blue	5.2	QM
Exterior Room 003 Facade C									
008	C	siding	Ctr		P	Wood	blue	5.6	QM
Exterior Room 004 Facade D									
009	D	siding	Ctr		P	Wood	blue	5.6	QM
Calibration Readings									
001								0.9	TC
002								1.0	TC
003								1.0	TC
012								0.9	TC
013								0.9	TC
014								1.1	TC

---- End of Readings ----

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

Inspection Date:	04/14/14	107-109 Pendleton Street
Report Date:	4/14/2014	New Haven, CT
Abatement Level:	1.0	
Report No.	S#01364 - 04/14/14 08:10	
Total Readings:	14 Actionable: 7	
Job Started:	04/14/14 08:10	
Job Finished:	04/14/14 09:09	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
005	A	rakeboard	Ctr		P	Wood	white	2.5	QM
006	A	soffit	Ctr		P	Wood	white	7.1	QM
010	A	siding	Ctr		P	Wood	blue	1.4	QM
011	A	fascia	Ctr		P	Wood	white	>9.9	QM
Exterior Room 002 Facade B									
007	B	siding	Ctr		P	Wood	blue	5.2	QM
Exterior Room 003 Facade C									
008	C	siding	Ctr		P	Wood	blue	5.6	QM
Exterior Room 004 Facade D									
009	D	siding	Ctr		P	Wood	blue	5.6	QM
Exterior Room 999									

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 05/06/14 13:59

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

PERFORMED AT: 107-109 Pendleton Street
New Haven, CT
Exteriors and Common Areas

INSPECTION DATE: 05/06/14

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

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002206

A Lead-Based Paint Risk Assessment was performed for the Exteriors and Common Areas.

SIGNED: _____ Date: 5/10/14

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

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	Exteriors and Common Areas
Report No.	S#02753 - 05/06/14 13:59	
Total Readings:	88 Actionable: 59	
Job Started:	05/06/14 13:59	
Job Finished:	05/06/14 15:24	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
042	A	Facade	Ctr		P	Wood	blue	>9.9	QM
057	A	Facade	Ctr	upper	P	Shingle	blue	6.2	QM
058	A	Door 2	Ctr		P	Wood	white	1.3	QM
059	A	Door 2	Ctr	Casing	P	Wood	white	>9.9	QM
060	A	Door 2	Ctr	Stop	P	Wood	white	>9.9	QM
061	A	Door 2	Ctr	Threshold	P	Wood	blue	5.6	QM
062	A	Door 2	Ctr	Kickplate	P	Wood	blue	>9.9	QM
043	A	Cornerboard	Lft		P	Wood	blue	>9.9	QM
047	A	Window	Lft	Casing	P	Wood	white	>9.9	QM
049	A	Window	Lft	Blind Stop	P	Wood	white	7.1	QM
048	A	Window	Lft	Sill	P	Wood	white	>9.9	QM
044	A	Door	Lft		P	Wood	white	1.0	TC
046	A	Door	Lft	Kickplate	P	Wood	blue	3.5	QM
Exterior Room 002 Facade B									
073	B	Basmnt Win.	Lft	Casing	P	Wood	blue	>9.9	QM
exposed area of basement win cas. there are 4 windows and one vented opening.									
070	B	Facade	Ctr		P	Wood	blue	>9.9	QM
074	B	Cornerboard	Lft		P	Wood	blue	>9.9	QM
071	B	Window	Rgt	Casing	P	Wood	white	>9.9	QM
072	B	Window	Rgt	Sill	P	Wood	white	>9.9	QM
Exterior Room 003 Facade C									
034	C	Facade	Ctr		P	Wood	blue	1.6	QM
036	C	Door 1	Ctr	Casing	P	Wood	white	>9.9	QM
037	C	Door 1	Ctr	Exp. thresh	P	Wood	blue	5.0	QM
038	C	Door 1	Ctr	Kickplate	P	Wood	blue	8.5	QM
075	C	Stored door	Ctr		P	Wood	white	>9.9	QM
035	C	Cornerboard	Lft		P	Wood	blue	>9.9	QM
039	C	Window	Ctr	Casing	P	Wood	white	>9.9	QM
040	C	Window	Ctr	Sill	P	Wood	white	>9.9	QM
Comment:									
Basement win inaccessible due to screen.									
Exterior Room 004 Facade D									
080	D	Basmnt Win.	L-rgt	Casing	P	Wood	blue	4.1	QM
081	D	Basmnt Win.	L-rgt	Sash	P	Wood	blue	>9.9	QM
083	D	Basmnt Win.	Lft	Casing	P	Wood	blue	>9.9	QM
084	D	Basmnt Win.	Lft	Sash	P	Wood	blue	7.0	QM
076	D	Facade	Ctr		P	Wood	blue	6.9	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
078	D	Basmnt Win.	Rgt	Sash	P	Wood	blue	>9.9	QM
079	D	Basmnt Win.	Rgt	Casing	P	Wood	blue	>9.9	QM
082	D	Window	Rgt	Casing	P	Wood	white	7.7	QM
077	D	Door	Rgt	Casing	P	Wood	white	>9.9	QM
		new pre-hung door components							
Comment:									
6 basement windows, 3 are boarded up									
Exterior Room 005 Porch 1A									
051	A	Box beam	Ctr		P	Wood	white	>9.9	QM
053	A	Rail top	Ctr		P	Wood	white	4.0	QM
054	A	Lwr rail	Ctr	wall	P	Shingle	blue	>9.9	QM
056	A	Lattice	Ctr		P	Wood	blue	>9.9	QM
052	A	Floor	Ctr		P	Wood	blue	>9.9	QM
050	A	Ceiling	Ctr		P	Wood	white	>9.9	QM
055	A	Column	Ctr		P	Wood	white	8.0	QM
		8 columns							
Exterior Room 006 Porch 1C									
029	C	Box beam	Ctr		P	Wood	blue	>9.9	QM
033	C	Support colu	Ctr		P	Brick	blue	1.4	TC
028	C	Ceiling	Ctr		P	Wood	blue	>9.9	QM
027	C	Column	Ctr		P	Wood	blue	>9.9	QM
Exterior Room 007 Porch 2A									
065	A	Box beam	Ctr		P	Wood	blue	>9.9	QM
067	A	Rail top	Ctr		P	Wood	white	>9.9	QM
068	A	Lwr Rail	Ctr		P	Wood	blue	7.2	QM
064	A	Ceiling	Ctr		P	Wood	blue	>9.9	QM
066	A	Column	Ctr		P	Wood	white	>9.9	QM
		6 columns							
Exterior Room 008 Porch 2C									
041	C	Door	Ctr		P	Wood	varnish	>9.9	QM
Comment:									
No access to porch. floor, ceiling box beam, columns, rail top, lwr rail and entry door components are original.									
Interior Room 003 Rear Stair									
013	B	Wall	Ctr		P	Plaster	white	8.2	QM
		by door to 1st floor							
Interior Room 004 Basement									
021	-	Stairs	Ctr	Landing	P	Wood	brown	>9.9	QM
018	-	Stairs	Ctr	Treads	P	Wood	brown	5.4	QM
019	-	Stairs	Ctr	Risers	P	Wood	brown	>9.9	QM
020	A	Door	Ctr	Casing	P	Wood	white	1.9	QM
023	B	Closet	Lft	Door	P	Wood	gray	>9.9	QM
		closet underneath stairs							

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
024	D	Closet	Lft	Door Casing	P	Wood	beige	>9.9	QM

Comment:
No access to front storage area and 2 rear storage areas.

Calibration Readings

---- End of Readings ----

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	Exteriors and Common Areas
Report No.	S#02753 - 05/06/14 13:59	
Total Readings:	88	
Job Started:	05/06/14 13:59	
Job Finished:	05/06/14 15:24	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
042	A	Facade	Ctr		P	Wood	blue	>9.9	QM
057	A	Facade	Ctr	upper	P	Shingle	blue	6.2	QM
058	A	Door 2	Ctr		P	Wood	white	1.3	QM
059	A	Door 2	Ctr	Casing	P	Wood	white	>9.9	QM
060	A	Door 2	Ctr	Stop	P	Wood	white	>9.9	QM
061	A	Door 2	Ctr	Threshold	P	Wood	blue	5.6	QM
062	A	Door 2	Ctr	Kickplate	P	Wood	blue	>9.9	QM
043	A	Cornerboard	Lft		P	Wood	blue	>9.9	QM
047	A	Window	Lft	Casing	P	Wood	white	>9.9	QM
049	A	Window	Lft	Blind Stop	P	Wood	white	7.1	QM
048	A	Window	Lft	Sill	P	Wood	white	>9.9	QM
044	A	Door	Lft		P	Wood	white	1.0	TC
045	A	Door	Lft	Threshold	P	Wood	blue	0.4	QM
046	A	Door	Lft	Kickplate	P	Wood	blue	3.5	QM
Exterior Room 002 Facade B									
073	B	Basmnt Win.	Lft	Casing	P	Wood	blue	>9.9	QM
exposed area of basement win cas. there are 4 windows and one vented opening.									
070	B	Facade	Ctr		P	Wood	blue	>9.9	QM
074	B	Cornerboard	Lft		P	Wood	blue	>9.9	QM
071	B	Window	Rgt	Casing	P	Wood	white	>9.9	QM
072	B	Window	Rgt	Sill	P	Wood	white	>9.9	QM
Exterior Room 003 Facade C									
034	C	Facade	Ctr		P	Wood	blue	1.6	QM
036	C	Door 1	Ctr	Casing	P	Wood	white	>9.9	QM
037	C	Door 1	Ctr	Exp. thresh	P	Wood	blue	5.0	QM
038	C	Door 1	Ctr	Kickplate	P	Wood	blue	8.5	QM
075	C	Stored door	Ctr		P	Wood	white	>9.9	QM
035	C	Cornerboard	Lft		P	Wood	blue	>9.9	QM
039	C	Window	Ctr	Casing	P	Wood	white	>9.9	QM
040	C	Window	Ctr	Sill	P	Wood	white	>9.9	QM
Comment:									
Basement win inaccessible due to screen.									
Exterior Room 004 Facade D									
080	D	Basmnt Win.	L-rgt	Casing	P	Wood	blue	4.1	QM
081	D	Basmnt Win.	L-rgt	Sash	P	Wood	blue	>9.9	QM
083	D	Basmnt Win.	Lft	Casing	P	Wood	blue	>9.9	QM
084	D	Basmnt Win.	Lft	Sash	P	Wood	blue	7.0	QM
085	D	Down spout	Lft		P	Metal	blue	0.1	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
076	D	Facade	Ctr		P	Wood	blue	6.9	QM
078	D	Basmnt Win.	Rgt	Sash	P	Wood	blue	>9.9	QM
079	D	Basmnt Win.	Rgt	Casing	P	Wood	blue	>9.9	QM
082	D	Window	Rgt	Casing	P	Wood	white	7.7	QM
077	D	Door	Rgt	Casing	P	Wood	white	>9.9	QM
		new pre-hung door components							
Comment:									
6 basement windows, 3 are boarded up									
Exterior Room 005 Porch 1A									
051	A	Box beam	Ctr		P	Wood	white	>9.9	QM
053	A	Rail top	Ctr		P	Wood	white	4.0	QM
054	A	Lwr rail	Ctr	wall	P	Shingle	blue	>9.9	QM
056	A	Lattice	Ctr		P	Wood	blue	>9.9	QM
052	A	Floor	Ctr		P	Wood	blue	>9.9	QM
050	A	Ceiling	Ctr		P	Wood	white	>9.9	QM
069	A	Railing	Ctr	Railing	P	Metal	black	-0.2	QM
055	A	Column	Ctr		P	Wood	white	8.0	QM
		8 columns							
Exterior Room 006 Porch 1C									
029	C	Box beam	Ctr		P	Wood	blue	>9.9	QM
033	C	Support colu	Ctr		P	Brick	blue	1.4	TC
030	C	Floor	Ctr		P	Wood	blue	-0.1	QM
028	C	Ceiling	Ctr		P	Wood	blue	>9.9	QM
031	C	Stairs	Ctr	Treads	P	Wood	blue	-0.2	QM
032	C	Stairs	Ctr	Risers	P	Wood	blue	0.1	QM
027	C	Column	Ctr		P	Wood	blue	>9.9	QM
Exterior Room 007 Porch 2A									
065	A	Box beam	Ctr		P	Wood	blue	>9.9	QM
067	A	Rail top	Ctr		P	Wood	white	>9.9	QM
068	A	Lwr Rail	Ctr		P	Wood	blue	7.2	QM
063	A	Floor	Ctr		P	Wood	blue	-0.2	QM
064	A	Ceiling	Ctr		P	Wood	blue	>9.9	QM
066	A	Column	Ctr		P	Wood	white	>9.9	QM
		6 columns							
Exterior Room 008 Porch 2C									
041	C	Door	Ctr		P	Wood	varnish	>9.9	QM
Comment:									
No access to porch. floor, ceiling box beam, columns, rail top, lwr rail and entry door components are original.									
Interior Room 001 Vestibule									
002	A	Door	Rgt		P	Wood	varnish	-0.2	QM
003	B	Wall	Ctr		P	Plaster	white	-0.2	QM
001	D	Wall	Ctr		P	Plaster	white	-0.1	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 002 Front Stair									
006	-	Stairs	Ctr	Stringers	P	Wood	red	0.0	QM
004	-	Stairs	Ctr	Treads	P	Wood	red	0.0	QM
005	-	Stairs	Ctr	Risers	P	Wood	red	-0.2	QM
010	A	Door	Rgt	Casing	P	Wood	white	0.0	QM
007	B	Window	Ctr	Casing	P	Wood	white	0.1	QM
008	B	Window	Ctr	Stop	P	Wood	white	0.0	QM
009	B	Window	Ctr	Sash	P	Wood	white	-0.1	QM
Interior Room 003 Rear Stair									
016	-	Stairs	Ctr	Stringers	P	Wood	red	-0.1	QM
017	-	Stairs	Ctr	Handrail	P	Wood	white	-0.2	QM
014	-	Stairs	Ctr	Treads	P	Wood	red	-0.1	QM
015	-	Stairs	Ctr	Risers	P	Wood	red	-0.2	QM
013	B	Wall	Ctr		P	Plaster	white	8.2	QM
	by door to 1st floor								
011	D	Basement Doo	Rgt		P	Wood	white	-0.2	QM
012	D	Basement Doo	Rgt	Casing	P	Wood	white	-0.2	QM
Interior Room 004 Basement									
021	-	Stairs	Ctr	Landing	P	Wood	brown	>9.9	QM
018	-	Stairs	Ctr	Treads	P	Wood	brown	5.4	QM
019	-	Stairs	Ctr	Risers	P	Wood	brown	>9.9	QM
022	-	Column	Ctr		P	Metal	brown	0.4	QM
026	A	Wall	Ctr		P	Wood	white	0.5	QM
025	D	Window	Lft	Sash	P	Wood	No Paint	0.1	QM
020	A	Door	Ctr	Casing	P	Wood	white	1.9	QM
023	D	Closet	Lft	Door	P	Wood	gray	>9.9	QM
	closet underneath stairs								
024	D	Closet	Lft	Door Casing	P	Wood	beige	>9.9	QM
Comment:									
No access to front storage area and 2 rear storage areas.									
Calibration Readings									
086								1.1	TC
087								1.0	TC
088								1.1	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 05/06/14 13:54

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

PERFORMED AT: 107-109 Pendleton Street
New Haven, CT
1st Floor Apt

INSPECTION DATE: 05/06/14

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

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002206

A Lead-Based Paint Risk Assessment was performed for the first floor dwelling unit.

SIGNED: _____ Date: 5/6/14

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

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	1st Floor Apt
Report No.	S#02753 - 05/06/14 13:54	
Total Readings:	2 Actionable: 0	
Job Started:	05/06/14 13:54	
Job Finished:	05/06/14 13:56	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm^2)	Mode

---- End of Readings ----

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	1st Floor Apt
Report No.	S#02753 - 05/06/14 13:54	
Total Readings:	2	
Job Started:	05/06/14 13:54	
Job Finished:	05/06/14 13:56	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Number Only									
001	A	Door	Rgt		P	Wood	white	-0.1	QM
002	A	Door	Rgt	Jamb	P	Wood	white	-0.1	QM

Comment:
The first floor dwelling unit has just been repainted and vinyl windows were installed. Thereis no defective paint in the dwelling unit.

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 05/06/14 12:35

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

PERFORMED AT: 107-109 Pendleton Street
New Haven, CT
2nd Floor Apt

INSPECTION DATE: 05/06/14

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

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002206

A Lead-Based Paint Risk Assessment was performed for the second floor dwelling unit.

SIGNED: _____ Date: 5/6/14

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

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	2nd Floor Apt
Report No.	S#02753 - 05/06/14 12:35	
Total Readings:	47 Actionable: 20	
Job Started:	05/06/14 12:35	
Job Finished:	05/06/14 13:20	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 002 Bed Room 1									
016	B	Window	Lft	Sash	P	Wood	white	5.8	QM
015	B	Window	Ctr	Sash	P	Wood	white	5.3	QM
006	B	Window	Rgt	Casing	P	Wood	white	4.8	QM
009	B	Window	Rgt	Stop	P	Wood	white	4.6	QM
013	B	Window	Rgt	Jamb	P	Wood	green	>9.9	QM
014	B	Window	Rgt	Blind Stop	P	Wood	green	>9.9	QM
010	B	Window	Rgt	Sash	P	Wood	white	5.3	QM
011	B	Window	Rgt	Well	P	Wood	white	>9.9	QM
008	B	Window	Rgt	Apron	P	Wood	white	4.2	QM
007	B	Window	Rgt	Sill	P	Wood	white	4.1	QM
012	B	Window	Rgt	Part. bead	P	Wood	green	9.5	QM
018	D	Door	Rgt	Jamb	P	Wood	white	6.0	QM
Interior Room 003 Bath									
026	B	Window	Ctr	Blind Stop	P	Wood	green	>9.9	QM
025	B	Window	Ctr	Well	P	Wood	green	>9.9	QM
Interior Room 005 Kitchen									
037	D	Window	Lft	Blind Stop	P	Wood	green	8.4	QM
036	D	Window	Lft	Well	P	Wood	green	>9.9	QM
039	D	Window	Ctr	Well	P	Wood	green	>9.9	QM
040	D	Window	Rgt	Well	P	Wood	green	>9.9	QM
Interior Room 006 Sink Rm									
042	D	Window	Ctr	Blind Stop	P	Wood	green	>9.9	QM
041	D	Window	Ctr	Well	P	Wood	green	7.6	QM

---- End of Readings ----

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	2nd Floor Apt
Report No.	S#02753 - 05/06/14 12:35	
Total Readings:	47	
Job Started:	05/06/14 12:35	
Job Finished:	05/06/14 13:20	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Living Rm									
002	A	Window	Lft	Sash	P	Wood	white	-0.1	QM
001	A	Window	Rgt	Sash	P	Wood	white	0.0	QM
003	B	Door	Rgt	Casing	P	Wood	white	0.0	QM
004	B	Door	Rgt	Jamb	P	Wood	white	0.0	QM
005	C	Baseboard	Ctr		P	Wood	white	0.0	QM
Interior Room 002 Bed Room 1									
016	B	Window	Lft	Sash	P	Wood	white	5.8	QM
015	B	Window	Ctr	Sash	P	Wood	white	5.3	QM
006	B	Window	Rgt	Casing	P	Wood	white	4.8	QM
009	B	Window	Rgt	Stop	P	Wood	white	4.6	QM
013	B	Window	Rgt	Jamb	P	Wood	green	>9.9	QM
014	B	Window	Rgt	Blind Stop	P	Wood	green	>9.9	QM
010	B	Window	Rgt	Sash	P	Wood	white	5.3	QM
011	B	Window	Rgt	Well	P	Wood	white	>9.9	QM
008	B	Window	Rgt	Apron	P	Wood	white	4.2	QM
007	B	Window	Rgt	Sill	P	Wood	white	4.1	QM
012	B	Window	Rgt	Part. bead	P	Wood	green	9.5	QM
021	C	Door	Rgt	Jamb	P	Wood	white	-0.2	QM
022	C	Door	Rgt	Stop	P	Wood	white	-0.2	QM
020	C	Closet	Ctr	Shelf	P	Wood	white	-0.2	QM
017	D	Door	Rgt	Casing	P	Wood	white	0.0	QM
018	D	Door	Rgt	Jamb	P	Wood	white	6.0	QM
019	D	Door	Rgt	Stop	P	Wood	white	-0.1	QM
Interior Room 003 Bath									
023	B	Window	Ctr	Casing	P	Wood	white	-0.2	QM
026	B	Window	Ctr	Blind Stop	P	Wood	green	>9.9	QM
027	B	Window	Ctr	Ext. Sash	P	Wood	green	-0.2	QM
024	B	Window	Ctr	Sash	P	Wood	white	-0.3	QM
025	B	Window	Ctr	Well	P	Wood	green	>9.9	QM
028	D	Door	Ctr	Casing	P	Wood	white	-0.1	QM
Interior Room 004 Bed Room 2									
032	A	Door	Lft	Casing	P	Wood	white	-0.1	QM
034	A	Door	Lft	Stop	P	Wood	white	0.0	QM
030	B	Window	Lft	Blind Stop	P	Wood	white	0.3	QM
029	B	Window	Lft	Well	P	Wood	white	-0.4	QM
031	C	Window	Rgt	Well	P	Wood	white	0.0	QM
Interior Room 005 Kitchen									

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
033	A	Door	Lft	Jamb	P	Wood	white	-0.3	QM
037	D	Window	Lft	Blind Stop	P	Wood	green	8.4	QM
038	D	Window	Lft	Ext. Sash	P	Wood	green	0.0	QM
035	D	Window	Lft	Sash	P	Wood	white	-0.4	QM
036	D	Window	Lft	Well	P	Wood	green	>9.9	QM
039	D	Window	Ctr	Well	P	Wood	green	>9.9	QM
040	D	Window	Rgt	Well	P	Wood	green	>9.9	QM
Interior Room 006 Sink Rm									
042	D	Window	Ctr	Blind Stop	P	Wood	green	>9.9	QM
043	D	Window	Ctr	Sash	P	Wood	white	-0.2	QM
041	D	Window	Ctr	Well	P	Wood	green	7.6	QM
Interior Room 007 Dining Rm									
044	D	Window	Lft	Sash	P	Wood	white	-0.2	QM
045	D	Window	Ctr	Sash	P	Wood	white	-0.1	QM
046	D	Window	Rgt	Sash	P	Wood	white	0.0	QM
Comment: Windows covered with plastic. no access to exterior window components.									
Interior Room 008 Hallway									
047	B	Baseboard	Ctr		P	Wood	white	0.0	QM

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 05/06/14 11:18

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

PERFORMED AT: 107-109 Pendleton Street
New Haven, CT
3rd Floor Apt

INSPECTION DATE: 05/06/14

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

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002206

A Lead-Based Paint Risk Assessment was performed for the third floor dwelling unit.

SIGNED: _____ Date: 5/6/14

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

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	3rd Floor Apt
Report No.	S#02753 - 05/06/14 11:18	
Total Readings:	80 Actionable: 14	
Job Started:	05/06/14 11:18	
Job Finished:	05/06/14 12:34	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 002 Bed Room 2									
027	B	Window	Lft	Sash	P	Wood	white	2.3	QM
026	B	Window	Ctr	Sash	P	Wood	white	1.7	QM
030	B	Window	Rgt	Jamb	P	Wood	white	>9.9	QM
031	B	Window	Rgt	Blind Stop	P	Wood	white	3.0	QM
025	B	Window	Rgt	Sash	P	Wood	white	2.1	QM
028	B	Window	Rgt	Well	P	Wood	white	>9.9	QM
029	B	Window	Rgt	Part. bead	P	Wood	white	>9.9	QM
Interior Room 005 Kitchen									
053	D	Window	Lft	Blind Stop	P	Wood	white	>9.9	QM
054	D	Window	Lft	Ext. Sash	P	Wood	white	>9.9	QM
052	D	Window	Lft	Well	P	Wood	white	>9.9	QM
055	D	Window	Ctr	Ext. Sash	P	Wood	white	>9.9	QM
056	D	Window	Rgt	Ext. Sash	P	Wood	white	>9.9	QM
Interior Room 007 Hallway									
072	B	Wall	Ctr		P	Plaster	white	6.4	QM
074	D	Wall	Ctr		P	Plaster	white	8.9	QM
Calibration Readings									

---- End of Readings ----

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

Inspection Date:	05/06/14	107-109 Pendleton Street
Report Date:	5/7/2014	New Haven, CT
Abatement Level:	1.0	3rd Floor Apt
Report No.	S#02753 - 05/06/14 11:18	
Total Readings:	80	
Job Started:	05/06/14 11:18	
Job Finished:	05/06/14 12:34	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bed Room 1									
006	-	Ceiling	Ctr		P	Plaster	white	0.3	QM
004	A	Wall	Ctr		P	Plaster	white	-0.2	QM
010	A	Baseboard	Ctr		P	Wood	white	0.0	QM
007	A	Window	Ctr	Casing	P	Wood	white	-0.1	QM
009	A	Window	Ctr	Apron	P	Wood	white	-0.1	QM
008	A	Window	Ctr	Sill	P	Wood	white	-0.1	QM
016	C	Door	Ctr		P	Wood	white	-0.2	QM
017	C	Door	Ctr	Casing	P	Wood	white	-0.1	QM
018	C	Door	Ctr	Jamb	P	Wood	white	0.0	QM
019	C	Door	Ctr	Stop	P	Wood	white	-0.3	QM
015	C	Closet	Rgt	Door stop	P	Wood	white	-0.1	QM
012	C	Closet	Rgt	Door	P	Wood	white	0.0	QM
013	C	Closet	Rgt	Door Casing	P	Wood	white	-0.5	QM
014	C	Closet	Rgt	Door Jamb	P	Wood	white	-0.3	QM
011	C	Closet	Rgt	Wall	P	Dry wall	white	0.0	QM
005	D	Wall	Ctr		P	Plaster	white	-0.2	QM
Interior Room 002 Bed Room 2									
027	B	Window	Lft	Sash	P	Wood	white	2.3	QM
021	B	Window	Ctr	Casing	P	Wood	white	-0.1	QM
024	B	Window	Ctr	Stop	P	Wood	white	-0.2	QM
026	B	Window	Ctr	Sash	P	Wood	white	1.7	QM
023	B	Window	Ctr	Apron	P	Wood	white	0.1	QM
022	B	Window	Ctr	Sill	P	Wood	white	-0.2	QM
030	B	Window	Rgt	Jamb	P	Wood	white	>9.9	QM
031	B	Window	Rgt	Blind Stop	P	Wood	white	3.0	QM
025	B	Window	Rgt	Sash	P	Wood	white	2.1	QM
028	B	Window	Rgt	Well	P	Wood	white	>9.9	QM
029	B	Window	Rgt	Part. bead	P	Wood	white	>9.9	QM
020	C	Wall	Ctr		P	Dry wall	white	-0.1	QM
032	D	Door	Rgt		P	Wood	white	-0.1	QM
033	D	Door	Rgt	Jamb	P	Wood	white	-0.3	QM
034	D	Door	Rgt	Stop	P	Wood	white	-0.1	QM
Interior Room 003 Bath									
035	D	Door	Ctr		P	Wood	white	-0.4	QM
036	D	Door	Ctr	Casing	P	Wood	white	-0.3	QM
037	D	Door	Ctr	Jamb	P	Wood	white	0.0	QM
038	D	Door	Ctr	Stop	P	Wood	white	-0.2	QM
Interior Room 004 Bed Room 3									

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
039	C	Window	Lft	Sash	P	Wood	white	0.0	QM
042	C	Window	Rgt	Ext. Sash	P	Wood	white	-0.3	QM
040	C	Window	Rgt	Sash	P	Wood	white	-0.3	QM
041	C	Window	Rgt	Well	P	Wood	white	-0.1	QM
043	D	Door	Rgt	Casing	P	Wood	white	-0.3	QM
Interior Room 005 Kitchen									
057	-	Attic Door	Ctr		P	Wood	white	0.0	QM
044	B	Wall	Lft		P	Dry wall	white	-0.3	QM
045	B	Baseboard	Ctr		P	Wood	white	-0.3	QM
059	C	Wall	Ctr		P	Dry wall	white	-0.3	QM
058	C	Door	Lft		P	Wood	white	-0.4	QM
060	D	Cabinet door	Ctr		P	Wood	blue	0.0	QM
053	D	Window	Lft	Blind Stop	P	Wood	white	>9.9	QM
054	D	Window	Lft	Ext. Sash	P	Wood	white	>9.9	QM
049	D	Window	Lft	Sash	P	Wood	white	-0.2	QM
052	D	Window	Lft	Well	P	Wood	white	>9.9	QM
046	D	Window	Ctr	Casing	P	Wood	white	-0.2	QM
048	D	Window	Ctr	Stop	P	Wood	white	-0.2	QM
055	D	Window	Ctr	Ext. Sash	P	Wood	white	>9.9	QM
050	D	Window	Ctr	Sash	P	Wood	white	-0.3	QM
047	D	Window	Ctr	Sill	P	Wood	white	-0.1	QM
056	D	Window	Rgt	Ext. Sash	P	Wood	white	>9.9	QM
051	D	Window	Rgt	Sash	P	Wood	white	-0.1	QM
Interior Room 006 Living Rm									
061	B	Door	Ctr		P	Wood	white	-0.1	QM
062	B	Door	Ctr	Casing	P	Wood	white	-0.1	QM
063	B	Door	Ctr	Jamb	P	Wood	white	-0.2	QM
064	B	Door	Ctr	Stop	P	Wood	white	-0.2	QM
080	C	Baseboard	Ctr		P	Wood	blue	0.2	QM
068	C	Closet	Lft	Door stop	P	Wood	white	0.0	QM
065	C	Closet	Lft	Door	P	Wood	white	0.0	QM
066	C	Closet	Lft	Door Casing	P	Wood	white	-0.1	QM
067	C	Closet	Lft	Door Jamb	P	Wood	white	-0.2	QM
069	D	Window	Ctr	Casing	P	Wood	white	-0.3	QM
071	D	Window	Ctr	Apron	P	Wood	white	0.4	QM
070	D	Window	Ctr	Sill	P	Wood	white	0.0	QM
Interior Room 007 Hallway									
075	-	Ceiling	Ctr		P	Plaster	white	-0.4	QM
078	A	Door	Ctr	Stop	P	Wood	white	0.1	QM
072	B	Wall	Ctr		P	Plaster	white	6.4	QM
076	B	Baseboard	Ctr		P	Wood	white	-0.2	QM
079	B	Door	Lft	Casing	P	Wood	white	-0.1	QM
073	C	Wall	Ctr		P	Plaster	white	0.0	QM
074	D	Wall	Ctr		P	Plaster	white	8.9	QM
077	D	Door	Ctr	Casing	P	Wood	white	-0.1	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Calibration Readings									
001								1.0	TC
002								1.0	TC
003								1.0	TC
---- End of Readings ----									

APPENDIX 4

LEAD DUST AND SOIL SAMPLE LABORATORY REPORT

OrderID: 031417584

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

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031417584

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. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name LBP Risk Assessment **Project #:** 14-028.12T6

Project Location: 107-109 Pendleton St, New Haven 1st Fl Apt **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 Characterizaton
- ☐ 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 0500 &0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:

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

Client Sample # (S)	5/6 KL 19	5/6 KL 26		**TOTAL SAMPLE #**	8
Relinquished:		**Date:**	5/6/14	**Time:**	PM
Received:		**Date:**	5-7-14	**Time:**	AM
Relinquished:		**Date:**	5-7-14	**Time:**	PM
Received:		**Date:**	5/8/14	**Time:**	10:05AM

Page 1

OrderID: 031417584

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(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
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EMSL – NJ
107 Haddon Avenue
Westmont, NJ 08108
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031417584

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/6 KL 19	Floor at Entry	LivingRm		144
5/6 KL 20	window sill	↓		3x33
5/6 KL 21	Floor	DiningRm		144
5/6 KL 22	window well	↓		3x27
5/6 KL 23	Floor @ Entry	Kitchen		144
5/6 KL 24	window well	↓		3x27
5/6 KL 25	Floor	Bathroom		144
5/6 KL 26	window sill	↓		3x30

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

EMSL Order:	031417584
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:	05/08/14 10:05 AM
Collected:	5/6/2014

Project: **LBP RISK ASSESSMENT 107-109 PENDLETON ST, NEW HAVEN CT 1ST FL APT/14-028.12T6**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/6 KL 19	*0001*	5/6/2014	5/8/2014	144 in²	250 µg/ft²
	Site: FLOOR AT ENTRY LIVING ROOM				
5/6 KL 20	*0002*	5/6/2014	5/8/2014	99 in²	40 µg/ft²
	Site: WINDOW SILL LIVING ROOM				
5/6 KL 21	*0003*	5/6/2014	5/8/2014	144 in²	150 µg/ft²
	Site: FLOOR DINING ROOM				
5/6 KL 22	*0004*	5/6/2014	5/8/2014	81 in²	1700 µg/ft²
	Site: WINDOW WELL DINING ROOM				
5/6 KL 23	*0005*	5/6/2014	5/8/2014	144 in²	200 µg/ft²
	Site: FLOOR AT ENTRY KITCHEN				
5/6 KL 24	*0006*	5/6/2014	5/8/2014	81 in²	240 µg/ft²
	Site: WINDOW WELL KITCHEN				
5/6 KL 25	*0007*	5/6/2014	5/8/2014	144 in²	160 µg/ft²
	Site: FLOOR BATHROOM				
5/6 KL 26	*0008*	5/6/2014	5/8/2014	90 in²	<16 µg/ft²
	Site: WINDOW SILL BATHROOM				

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 05/08/2014 15:59:59

OrderID: 031417609 031417609

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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. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; aporter@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name LBP Risk Assessment **Project #:** 14-028.12T6

Project Location: 107-109 Pendleton St, New Haven Unit 2 Apt **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 Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitreous 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 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:

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

Client Sample # (S) S/6 KL 11 S/6 KL 18 **TOTAL SAMPLE #** 8

		Date:	Time:
Relinquished:		5/6/14	PM
Received:		5/7/14	4m
Relinquished:		5-7-14	12m
Received:		5/8/14	10:07AM

Page 1

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(800) 220-3675
(856) 858-4960 Fax

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SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/6 KL 11	Floor @ Entry	Living Rm		144
5/6 KL 12	window sill	↓		3 x 30
5/6 KL 13	Floor @ Entry	Kitchen		144
5/6 KL 14	window sill	↓		3 x 27
5/6 KL 15	Floor	Bath		144
5/6 KL 16	window sill	↓		3 x 30
5/6 KL 17	Floor	Bedroom 1		144
5/6 KL 18	window sill	↓		3 x 36

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EMSL Order:	031417609
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:	05/08/14 10:00 AM
Collected:	5/6/2014

Project: **14-028.12T6/ LBP RISK ASSESSMENT/ 107-109 PENDLETON ST/ NEW HAVEN/ UNIT 2 APT/ CT**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/6 KL-11	*0001*	5/6/2014	5/8/2014	144 in²	48 µg/ft²
	Site: FLOOR @ ENTRY/ LIVING ROOM				
5/6 KL-12	*0002*	5/6/2014	5/8/2014	90 in²	960 µg/ft²
	Site: WINDOW SILL/ LIVING ROOM				
5/6 KL-13	*0003*	5/6/2014	5/8/2014	144 in²	31 µg/ft²
	Site: FLOOR @ ENTRY/ KITCHEN				
5/6 KL-14	*0004*	5/6/2014	5/8/2014	81 in²	190 µg/ft²
	Site: WINDOW SILL/ KITCHEN				
5/6 KL-15	*0005*	5/6/2014	5/8/2014	144 in²	20 µg/ft²
	Site: FLOOR/ BATH				
5/6 KL-16	*0006*	5/6/2014	5/8/2014	90 in²	110 µg/ft²
	Site: WINDOW SILL/ BATH				
5/6 KL-17	*0007*	5/6/2014	5/8/2014	144 in²	16 µg/ft²
	Site: FLOOR/ BEDROOM 1				
5/6 KL-18	*0008*	5/6/2014	5/8/2014	90 in²	270 µg/ft²
	Site: WINDOW SILL/ BEDROOM 1				

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

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Your Name: Brandy LeBlanc **Project Manager:** PF 031417581

Company: Eagle Environmental, Inc.

Street: 8 South Main Street, Suite 3

City/State/Zip: Terryville, CT 06786

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name LBP Risk Assessment **Project #:** 14-028.12T6

Project Location: 107-109 Pendleton St, New Haven 3rd Fl Apt **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 Characterizaton
- ☐ 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 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

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

Client Sample # (S)	S16 KL 01 - S16 KL 10			TOTAL SAMPLE #	10
Relinquished:		Date:	5/6/14	Time:	PM
Received:		Date:	5-7-14	Time:	AM
Relinquished:		Date:	5-7-14	Time:	PM
Received:		Date:	5/8/14	Time:	10:07AM

OrderID: 031417581

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EMSL – NJ
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(800) 220-3675
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03141758 581

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/6 KL 01	Floor @ Entry	Hallway		144
5/6 KL 02	window sill	Bedroom 1		3 x 27
5/6 KL 03	Floor	Bedroom 2		144
5/6 KL 04	window sill	↓		3 x 33
5/6 KL 05	Floor	Living Rm		144
5/6 KL 06	window well	↓		24 x 3
5/6 KL 07	Floor @ Entry	Kitchen		144
5/6 KL 08	window sill	↓		3 x 33
5/6 KL 09	Field Blank			0/9
5/6 KL 10	Field Blank			0/9

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307 West 38th Street, New York, NY 10018
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http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031417581
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:	05/08/14 10:00 AM
Collected:	5/6/2014

Project: **LBP RISK ASSESSMENT 107-109 PENDLETON ST, NEW HAVEN CT 3RD FL APT/14-028.12T6**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/6 KL 01	*0001*	5/6/2014	5/8/2014	144 in²	45 µg/ft²
Site: FLOOR @ ENTRY HALLWAY					
5/6 KL 02	*0002*	5/6/2014	5/8/2014	81 in²	2800 µg/ft²
Site: WINDOW SILL BEDROOM 1					
5/6 KL 03	*0003*	5/6/2014	5/8/2014	144 in²	<10 µg/ft²
Site: FLOOR BEDROOM 2					
5/6 KL 04	*0004*	5/6/2014	5/8/2014	99 in²	17000 µg/ft²
Site: WINDOW SILL BEDROOM 2					
5/6 KL 05	*0005*	5/6/2014	5/8/2014	144 in²	14 µg/ft²
Site: FLOOR LIVING ROOM					
5/6 KL 06	*0006*	5/6/2014	5/8/2014	72 in²	1200 µg/ft²
Site: WINDOW WELL LIVING ROOM					
5/6 KL 07	*0007*	5/6/2014	5/8/2014	144 in²	22 µg/ft²
Site: FLOOR @ ENTRY KITCHEN					
5/6 KL 08	*0008*	5/6/2014	5/8/2014	99 in²	620 µg/ft²
Site: WINDOW SILL KITCHEN					
5/6 KL 09	*0009*	5/6/2014	5/8/2014	n/a	<10 µg/wipe
Site: FIELD BLANK					
5/6 KL 10	*0010*	5/6/2014	5/8/2014	n/a	<10 µg/wipe
Site: FIELD BLANK					

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 05/08/2014 15:56:03

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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. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com

Project Name LBP Risk Assessment **Project #:** 14-028.12T6

Project Location: 107-109 Pendleton St, New Haven Common Areas **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 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

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

Client Sample # (S) 5/6 K2 27 5/6 KL 34 **TOTAL SAMPLE #** 8

Relinquished:	[signature]	**Date:**	5/6/14	**Time:** PM
Received:	[signature]	**Date:**	5-7-14	**Time:** AM
Relinquished:	[signature]	**Date:**	5-7-14	**Time:** PM
Received:	[signature]	**Date:**	5/8/14	**Time:** 10:06 AM

031417589

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SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/6 KL 27	1st Fl @ Landing Entry Door	Front Stair		144
5/6 KL 28	2nd Fl @ Landing Entry Door	↓		144
5/6 KL 29	3rd Fl @ Landing Entry Door			144
5/6 KL 30	Window Sill			3x30
5/6 KL 31	1st Fl @ Landing Entry Door	Rear Stair		144
5/6 KL 32	2nd Fl @ Landing Entry Door			144
5/6 KL 33	3rd Fl @ Landing Entry Door			144
5/6 KL 34	Window Sill			3x30
	031417589			

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

EMSL Order:	031417589
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:	05/08/14 10:06 AM
Collected:	5/6/2014

Project: **14.028.12T6/ LBP RISK ASSESSMENT / 107-109 PENDLETON ST/ NEW HAVEN / COMMON AREAS**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/6 KL 27	*0001*	5/6/2014	5/8/2014	144 in²	450 µg/ft²
	Site: 1ST FLOOR AT LANDING ENTRY DOOR Desc: FRONT STAIR				
5/6 KL 28	*0002*	5/6/2014	5/8/2014	144 in²	250 µg/ft²
	Site: 2ND FLOOR AT LANDING ENTRY DOOR Desc: FRONT STAIR				
5/6 KL 29	*0003*	5/6/2014	5/8/2014	144 in²	180 µg/ft²
	Site: 3RD FLOOR AT LANDING ENTRY DOOR Desc: FRONT STAIR				
5/6 KL 30	*0004*	5/6/2014	5/8/2014	90 in²	650 µg/ft²
	Site: WINDOW SILL Desc: FRONT STAIR				
5/6 KL 31	*0005*	5/6/2014	5/8/2014	144 in²	150 µg/ft²
	Site: 1ST FLOOR LANDING ENTRY DOOR Desc: REAR STAIR				
5/6 KL 32	*0006*	5/6/2014	5/8/2014	144 in²	330 µg/ft²
	Site: 2ND FLOOR AT LANDING ENTRY DOOR Desc: REAR STAIR				
5/6 KL 33	*0007*	5/6/2014	5/8/2014	144 in²	3400 µg/ft²
	Site: 3RD FLOOR AT LANDING ENTRY DOOR Desc: REAR STAIR				
5/6 KL 34	*0008*	5/6/2014	5/8/2014	90 in²	390 µg/ft²
	Site: WINDOW SILL Desc: REAR STAIR				

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 05/08/2014 22:05:17

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(781) 933-8412 Fax	(203) 284-5978 Fax	(212) 290-0058 Fax	(856) 858-4960 Fax

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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. 203	**Fax:**	860-585-7034	**Email:**	bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com
Project Name	LBP Risk Assessment			**Project #:**	14-028.12T6
Project Location:	107-109 Pendleton St, New Haven SOILS			**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

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- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
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PLM - Bulk
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- ☐ 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:

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- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM
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Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
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- ☐ Soil, SW846-7421
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- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
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- ☐ Paint Characterizaton
- ☐ 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:

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Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & Id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

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

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

Client Sample # (S)	5/6 KL SOIL 01	5/6 KL SOIL 03		**TOTAL SAMPLE #**	3
Relinquished:		**Date:**	5/16/14	**Time:**	PM
Received:		**Date:**	5-7-14	**Time:**	AM
Relinquished:		**Date:**	5-7-14	**Time:**	PM
Received:		**Date:**	5/8/14	**Time:**	10:05AM

Page 1

OrderID: 031417602

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(781) 933-8412 Fax

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307 West 38th 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

www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
01	Bare Soil - Dripline	C-side		
02	Garden	D-side		
03	Bare soil mid-foryard	C-side		150yd²

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

EMSL Order:	031417602
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:	05/08/14 10:08 AM
Collected:	5/8/2014

Project: **14-028.12T6/ LBP RISK ASSESSMENT/ 107-109 PENDLETON ST/ NEW HAVEN/ SOILS/ CT**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
01	*0001*	5/8/2014	5/8/2014	4600 mg/Kg
	Site: BARE SOIL/ DRIPLINE/ C-SIDE			
02	*0002*	5/8/2014	5/8/2014	770 mg/Kg
	Site: GARDEN/ D-SIDE			
03	*0003*	5/8/2014	5/8/2014	510 mg/Kg
	Site: BARE SOIL MID-FARYARD/ C-SIDE			

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. 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. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 05/09/2014 08:54:16

APPENDIX 5

RADON TESTING REPORTS

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APPENDIX 6

MOLD INSPECTION FORMS

EAGLE Environmental, Inc.

MOLD OBSERVATION FORM

Eagle Project No: 14-028.12T6 Date: April 14 Inspector: Andy Carnevale

Facility Address: 107-109 Pendleton New Haven

Location	Observation	Sample Number
Roofs	No mold observed	

APPENDIX 7

ABATEMENT AND CONSULTING COST ESTIMATES

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES
APPLICATION NO. 2316
107-109 PENDLETON STREET
NEW HAVEN, CONNECTICUT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
ROOF FLASHING CEMENTY	25	$ 30.00 SF	$ 750.00
SUBTOTAL			$ 750.00
ASBESTOS ABATEMENT CONTINGENCY			$ 75.00
ASBESTOS TOTAL			**$ 825.00**

LEAD BASED PAINT COST ESTIMATE

RRP WORK PRACTICES

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD HAZARD CONTROL ALLOWANCE	1	$ 36,000.00 EA	$ 36,000.00
SUBTOTAL			$ 36,000.00
LEAD RENOVATION CONTINGENCY			$ 7,200.00
LEAD RENOVATION TOTAL			**$ 43,200.00**

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL **$ 44,025.00**

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
OVERSIGHT AND CLEARANCE CONTINGENCY	1	$3,500.00 EA	$ 3,500.00
SUBTOTAL			$ 3,500.00
CONSULTING CONTINGENCY			$ 350.00
CONSULTING TOTAL			**$ 3,850.00**

GRAND TOTAL **$ 47,875.00**

APPENDIX 8

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
04/30/14
VALIDATION NO.
03-593711

SIGNATURE

COMMISSIONER

Environmental Training and Assessment

Certificate of Completion

Lead Planner-Project Designer — Refresher

Awarded To

Kristen Liljehult
8 South Main Street
Terryville, CT 06786

Has successfully completed, and passed an examination covering the contents of the Eight (8) Hour Refresher Training Course for Lead Planner-Project Designer in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes. Approved under the New Standard.

Course Date: 1/15/2014 Examination Grade: 91%
Examination Date: 1/15/2014 Certificate Number: LPPDR-00168
Expiration Date: 1/15/2015

Stephen Craig

Stephen J. Craig, Training Manager

Boston Lead Company, LLC
dba
Environmental Training and Assessment
62 Washington Street
Middletown, CT 06426
860-347-7277

VOID VOID VOID

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 PLANNER/PROJECT DESIGNER

CERTIFICATION NO.
002153
CURRENT THROUGH
12/31/14
VALIDATION NO.
03-715184

KRISTEN P LILJEHULT

SIGNATURE

COMMISSIONER

ENVIRONMENTAL TRAINING AND ASSESSMENT

Certificate of Completion

Lead Inspector/Risk Assessor — Refresher

Awarded To

Kristen Liljehult
269 Baileyville Road
Middlefield, CT 06455

Has successfully completed, and passed an examination covering the contents of a EPA Model Eight (8) Hour Refresher Training Course for Lead Inspector/Risk Assessor and in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes. Approved under the New Standard and 40 CFR 745.225(c)(8)(i).

Course Date: 1/2/2014 Examination Grade: 88%
Examination Date: 1/2/2014 Certificate Number: LI/RAR-00350
Expiration Date: 1/2/2015

Stephen Craig
Stephen J. Craig, Training Manager

Boston Lead Company, LLC
dba
Environmental Training and Assessment
62 Washington Street
Middletown, CT 06457
860-347-7277

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

KRISTEN P. LILJEHULT

CERTIFICATION NO.
002206
CURRENT THROUGH
12/31/14
VALIDATION NO.
03-715183

SIGNATURE

COMMISSIONER

CERT# L-600 - 770

CHEMSCOPE TRAINING DIVISION

LEAD INSPECTOR/RISK ASSESSOR REFRESHER

8HOUR TRAINING CERTIFICATE

Andrew Carnevale

8 South Main Street Suite 3, Terryville CT

Has attended an 8 hour course on the subject discipline on

03/13/2014 and has passed a written and hands on skills examination.

The above individual has successfully completed the above training course approved in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes.

Course syllabus includes all required topics of State of Connecticut DPH and EPA.

Examination Date: 03/13/2014

Expiration Date: 03/13/2015

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.

Ronald D. Arena or Brian Santos
Training Director Training Manager

Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
(203) 865-5605

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Litho in U.S.A.

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

ANDREW C CARNEVALE

CERTIFICATION NO.
002247
CURRENT THROUGH
10/31/14
VALIDATION NO.
03 702939

SIGNATURE COMMISSIONER

Certificate of Training

Awarded to

ANDREW CARNEVALE

For successful completion of a 4 Hour, 1/2 Day

Asbestos Building Inspector

Annual Refresher Training

January 2, 2014

This training was approved and given in accordance with the Regulations for Connecticut State Agencies RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ABIRF22726 **Exam Grade:** 100 **Expiration Date:** 01/02/2015

Exam Date: 01/02/2014

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

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

ASBESTOS CONSULTANT-INSPECTOR

ANDREW C CARNEVALE

LICENSE NO. 000850

CURRENT THROUGH 10/31/14

VALIDATION NO. 03-702940

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 38th 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

Examination For:
Bulk – Identification (PLM, TEM)
Air – Fiber Counting (PCM, TEM)
Water – TEM

Environmental Health & Housing

Examination For:
Lead in Paint
Lead Paint in Soil
Lead in Dust Wipes

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2014 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 4th DAY OF October, 2012

Registration No.

PH-0170

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION