



EAGLE Environmental, Inc.



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

November 19, 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
14 Waverly Park Road
Branford, Connecticut
Application #1180
Eagle Project No. 14-028.12T9**

Dear Mr. Holmes:

Please find the attached Environmental Assessment Report conducted at 14 Waverly Park Road located in Branford, 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:
Kristen Liljehult
Environmental Consultant II

Report Reviewed By:
Peter J. Folino
Project Manager

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1. INTRODUCTION

On April 14 and May 13, 2014, Eagle Environmental, Inc. conducted an environmental assessment of portions of the site building located at 14 Waverly Park Road in Branford, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a lead-based paint hazard screen 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 were determined by reviewing the planned renovation work provided in CSA's Project Scope dated February 26, 2014 (revised March 7, 2014). For the purpose of this project the following areas were inspected:

- Front Porch Roof
- Front Room Ceiling
- Crawl Space and Exterior Facades

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.

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

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 Peter Folino; a State of Connecticut licensed Asbestos Inspector (license #000184).

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 Peter Folino and Kristen Liljehult, State of Connecticut licensed Lead Inspectors/Risk Assessors (license #000102 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, towed or otherwise applied to an existing surface.

These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

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

3.1.3 Bulk Sample Analysis

The samples of the suspect asbestos containing materials were sent to a State of Connecticut Department of Public Health (DPH) approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample is determined to contain asbestos. Upon the determination of the presence of asbestos in one sample in the set, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content.

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being an asbestos-containing material (ACM). Suspect

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

3.1.3.1 Friable ACM Analysis

Certain samples of friable materials shown to contain less than 10% asbestos are analyzed further by the "Point Count Method". This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method. No samples were further analyzed by the PLM Point Count Method for the property located at 14 Waverly Park Road, Branford, 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 14 Waverly Park Road, Branford, 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 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 (Equal to or exceeding \$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/cm². 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/cm² 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 planned to be raised to proper flood elevation and the lowest level of the building will not be in contact with the ground. Radon testing was not performed for this site building.

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 ten (10) bulk samples of suspect ACM were collected and ten (10) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

Based upon the results of the analyses the materials that were sampled were confirmed to be Non-ACM.

Two materials were inaccessible for testing and were assumed to be ACM for the purpose of this report. The front porch roof, which is scheduled for repair, was covered by a tarp at the time of the inspection. The tarp was nailed down with furring strips and could not be removed for sampling. The asphalt tar and rolled roofing associated with this roof is assumed to be ACM. The roofing materials are a non-friable ACM and are not regulated under CT DPH regulations. The roofing materials may be removed by the General Contractor with workers who have appropriate training. The roofing materials require disposal as ACM waste.

The interior basement window glazing compound within the crawl space could not be accessed for sampling. Although the crawl space was accessed by the inspector, the windows were located in areas that were out of reach and could not be sampled. The basement window glazing compound is assumed to be ACM. The basement windows will likely require removal during raising of the structure and infilling of the crawl space. The basement windows may be removed as a non-disturbance activity. The steel window sashes can be removed by the General Contractor in an intact condition and disposed of as ACM waste. 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 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 ninety-nine (99) XRF readings were collected during the lead-hazard screen of the building. From the ninety-nine (99) readings, thirty-nine (39) were found to contain lead-based paint.

The general inventory of surfaces containing high levels of lead include the following

- Front Porch: Rafter Tails, Soffit, Fascia
- Exterior Facades: Cinderblock Foundation, Wood Trim, Exterior window components, Shiplap Siding*

*Shiplap siding is under existing aluminum siding and could not be tested and is assumed to contain high levels of lead. All exterior trim was confirmed to contain high levels of lead and it is assumed that the same painting history exists on the siding.

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 exceed \$25,000.00. This residence is considered target housing by the USEPA. All lead-based paint abatement and interim control work shall be conducted in compliance with all Federal, State and local regulations. Specifically, work shall conform with The

Department of Housing and Urban Development (HUD) Guidelines For the Control and Evaluation of Lead Based Paint in Housing, The United States Environmental Protection Agency (USEPA), The State of Connecticut Department of Public Health (DPH) Lead Poisoning Prevention and Control Regulations, The State of Connecticut Department of Energy and Environmental Protection (DEEP) Hazardous Waste Disposal regulations and the Department of Labor's Occupational Safety and Health Administration (OSHA) Lead in Construction Final Rule 29 CFR 1926.62.

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead Exposure in Construction; Interim Final Rule. Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure. Any detectable level of lead in paint ($>0.0 \text{ mg/cm}^2$ +/- 0.3 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 ten (10) dust wipes were collected at the time of inspection. No dust-lead hazards were identified at the sampled locations.

4.2.2 Soil Hazards

One (1) soil sample was collected at the time of inspection. No soil-lead hazards were identified in the sampled location. The home owner shall maintain the grounds in their current condition.

4.3 Radon

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

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

Radon testing was not performed at this Site since the building will be elevated and the lowest level of the building will not be in contact with the ground.

4.4 Mold

The physical inspection noted of the front room area indicated some minor water staining on the cane fiber ceiling tiles. This is likely a result of the impact to the front porch roof, which is now covered with a tarp. The roof sheathing over the porch may be holding high moisture and may require drying or removal during re-roofing. There was no evidence of visible mold growth on the cane fiber ceiling tiles.

The ceiling in the front room was formerly replaced with new gypsum board by the homeowner. There were no signs of visible mold growth on the new sheetrock.

The crawl space was holding some standing water on the dirt floor at the time of the inspection. The floor joists are covered with spray foam insulation, which was applied through a prior weatherization project. There is fiberglass bat insulation that is under the spray foam. The fiberglass insulation was wet to the touch and should be removed as part of the renovation/repair project. This will require removal of the spray foam to access the insulation. The underside of the floor deck and floor joists should be dried during the renovation/repair project.

The Mold Inspection forms are provided in Appendix 6.

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 abatement and consulting cost estimates are provided in Appendix 7.

TABLE I
ASBESTOS CONTAINING MATERIALS SUMMARY TABLE

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
14 WAVERLY PARK ROAD
BRANFORD, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM/PC	TEM NOB	ACM		
Front Porch Roof	Asphalt roofing	Assume	MISC				YES	280 SF	NF
Crawl Space	Basement window glazing compound	Assume	MISC				YES	5 Each	NF
KEY									
DNA = DID NOT ANALYZE									
NAD = NO ASBESTOS DETECTED									
F = FRIABLE									
NF = NON-FRIABLE									
TSI = THERMAL SYSTEMS INSULATION									
SURF = SURFACING MATERIAL									
MISC = MISCELLANEOUS MATERIAL									
ANALYTICAL METHODS									
PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT									
TEM NOB = NEW YORK ELAP 198.4 METHOD									
PLM = EPA 600/R-93/116									
PS = Previously Sampled									
EA = Each									
BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION									

TABLE II

NON-ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
14 WAVERLY PARK ROAD
BRANFORD, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS		
				PLM	PLM/PC	ACM
Front Porch	1' x 1' Perforated ceiling tile	4-14-PF-01	MISC	NAD		NO
		4-14-PF-02		NAD		
Crawl Space	Paper facing on fiberglass insulation	4-14-PF-03	MISC	NAD		NO
		4-14-PF-04		NAD		
Façade B	Residual caulk at crawl space hatch	4-14-PF-05	MISC	NAD		NO
		4-14-PF-06		NAD		
Façade B	White caulk at sill	4-14-PF-07	MISC	NAD		NO
		4-14-PF-08		NAD		
Façade B, Façade C	Concrete masonry unit mortar	4-14-PF-09	MISC	NAD		NO
	Concrete masonry unit mortar	4-14-PF-10		NAD		
KEY				ANALYTICAL METHODS		
DNA = DID NOT ANALYZE				PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT		
NAD=NO ASBESTOS DETECTED				TEM NOB = NEW YORK ELAP 198.4 METHOD		
F = FRIABLE				PLM = EPA 600/R-93/116		
NF = NON-FRIABLE				PS = Previously Sampled		
TSI = THERMAL SYSTEMS INSULATION				EA = Each		
SURF = SURFACING MATERIAL						
MISC = MISCELLANEOUS MATERIAL						
BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION						

APPENDIX 1
FLOOR PLANS

CAPITOL STUDIOS ARCHITECTS

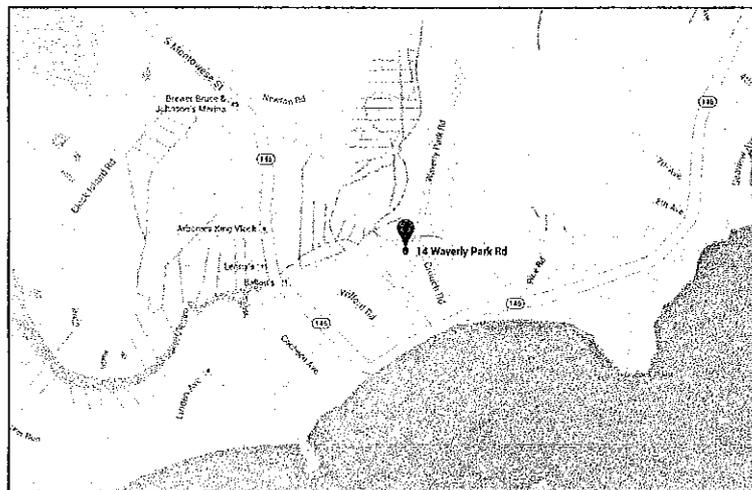
14 WAVERLY PARK ROAD
BRANFORD, CONNECTICUT

EAGLE PROJECT NUMBER: 14-028.12T9

INDEX OF DRAWINGS

SP-1 SITE PLAN
FP-1 FLOOR PLAN

LOCATION MAP



November 19, 2014



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

FLOOR PLAN

SIDE-C

WINDOW KEY:

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

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

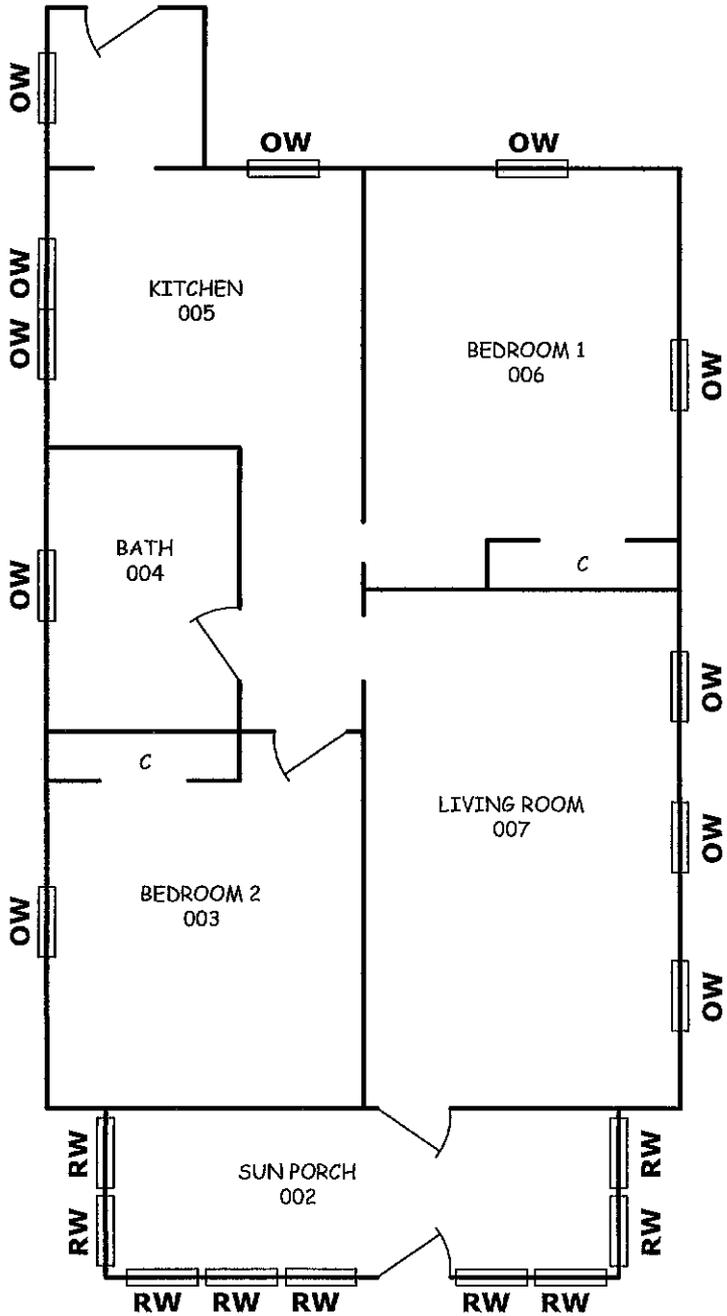
SAMPLE KEY:

2/13 KL SOIL-01 = NUMBER AND LOCATION OF SOIL SAMPLES

BOLD TEXT INDICATES A SOIL-LEAD HAZARD FOUND

SIDE-B

SIDE-D



NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)



EAGLE
Environmental, Inc.

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

SHEET NO.

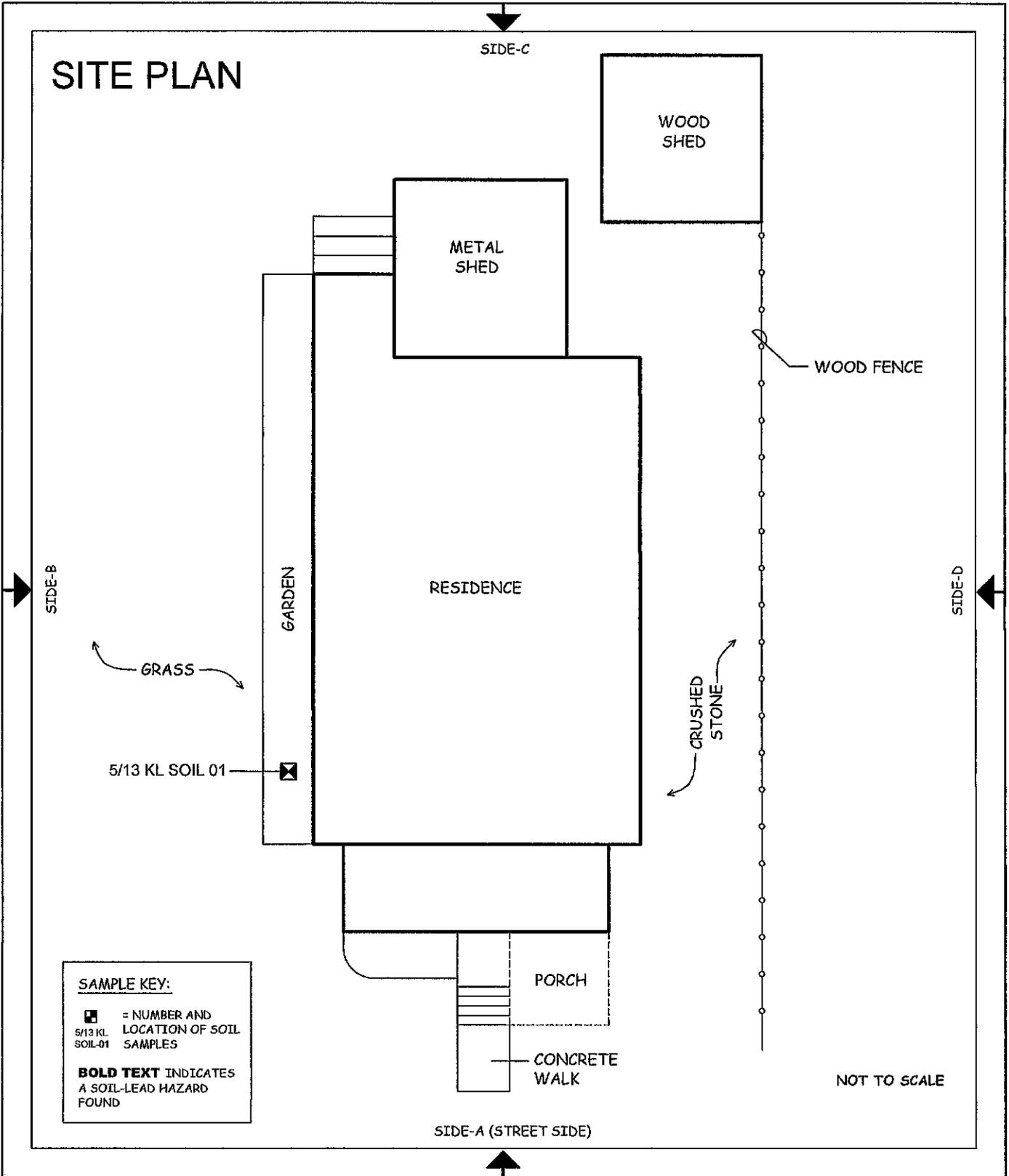
FP-1

SHEET 2 OF 2

DATE: 11/19/14 PROJECT
NO.: 14-028.12T9
DRAWN BY: VB
REVIEWED BY: AH

LEAD-BASED PAINT INSPECTION AND RISK ASSESSMENT
14 WAVERLY PARK ROAD
BRANFORD, CONNECTICUT
FLOOR PLAN

SITE PLAN



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

SHEET NO.

SP-1

SHEET 1 OF 2

DATE: 11/19/14 PROJECT
NO.: 14-028.12T9
DRAWN BY: VB
REVIEWED BY: AH

LEAD-BASED PAINT INSPECTION AND RISK ASSESSMENT
14 WAVERLY PARK ROAD
BRANFORD, CONNECTICUT
SITE PLAN WITH SOIL SAMPLE LOCATIONS

APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS



www.emsl.com

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

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; nmortier@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name: CAPITAL STUDIO ARCHITECTS **Project #:** 14-028.12T9

Project Location: 14 WAVERLY PARK RD., BRANFORD **Project State (US):** CT

TURNAROUND TIME

3 Hours 5 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-5480-99
 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)	4-14-PF-01	4-14-PF-10	TOTAL SAMPLE #
Relinquished:	PETER FOLINO <i>Peter Folino</i>	Date: 4-14-2014	Time: PM
Received:	NANCY PORTER <i>Nancy Porter</i>	Date: 4-14-2014	Time: PM
Relinquished:	NANCY PORTER <i>Nancy Porter</i>	Date: 4-14-2014	Time: PM
Received:	<i>[Signature]</i>	Date: 4/15/14	Time: 10:00 AM

Page 1 Of 2
 827959 25726828

**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: 031414333

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: 04/15/14 10:01 AM
 Analysis Date: 4/16/2014
 Collected: 4/14/2014

Project: 14-028.12T9/ CAPITAL STUDIO ARCHITECTS/ 14 WAVERLY PARK RD., BRANFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-14-PF-01 031414333-0001	1' X 1' PERFORATED CEILING TILE - FRONT PORC	Brown Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
4-14-PF-02 031414333-0002	1' X 1' PERFORATED CEILING TILE - FRONT PORC	Brown Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected
4-14-PF-03 031414333-0003	PAPER FACING ON FIBERGLASS INSULATION - CRAWL SPAC	Gray/Yellow Fibrous Homogeneous	37% Min. Wool	63% Non-fibrous (other)	None Detected
4-14-PF-04 031414333-0004	PAPER FACING ON FIBERGLASS INSULATION - CRAWL SPAC	Black Fibrous Homogeneous	7% Glass 40% Cellulose	53% Non-fibrous (other)	None Detected
4-14-PF-05 031414333-0005	RESIDUAL CAULK AT CRAWL SPACE HATCH - FAC B	Gray Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
4-14-PF-06 031414333-0006	RESIDUAL CAULK AT CRAWL SPACE HATCH - FAC B	Gray Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected
4-14-PF-07 031414333-0007	WHITE CAULK AT STILL - FAC B	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (other)	None Detected

Analyst(s)

Emmanuel Alberto (5)

Keri-Dean Scarlett (5)

James Hall, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 10104B-9, NYS ELAP 11508, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/17/2014 02:26:30

**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: 031414333
 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: 04/15/14 10:01 AM
 Analysis Date: 4/16/2014
 Collected: 4/14/2014

Project: 14-028.12T9/ CAPITAL STUDIO ARCHITECTS/ 14 WAVERLY PARK RD., BRANFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-14-PF-08 031414333-0008	WHITE CAULK AT STILL - FAC B	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected
4-14-PF-09 031414333-0009	CONCRETE MASONRY UNIT MORTAR - FAC B	Gray Non-Fibrous Homogeneous		45% Quartz 30% Gypsum 25% Non-fibrous (other)	None Detected
4-14-PF-10 031414333-0010	CONCRETE MASONRY UNIT MORTAR - FAC C	Gray Non-Fibrous Homogeneous		45% Quartz 20% Ca Carbonate 35% Non-fibrous (other)	None Detected

Analyst(s)

Emmanuel Alberto (5)
 Keri-Dean Scarlett (5)

James Hall, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/17/2014 02:26:30

APPENDIX 3

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 05/13/14 10:36

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

PERFORMED AT: 14 Waverly Park Road
Branford, CT

INSPECTION DATE: 05/13/14

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 interior and exterior.

SIGNED: _____



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

Date: 5/13/14

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

Inspection Date: 05/13/14 14 Waverly Park Road
 Report Date: 5/13/2014 Branford, CT
 Abatement Level: 1.0
 Report No. S#02753 - 05/13/14 10:36
 Total Readings: 79 Actionable: 31
 Job Started: 05/13/14 10:36
 Job Finished: 05/13/14 12:02

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Facade A									
058	A	Foundation	Ctr		P	Concrete	green	5.5	QM
055	A	Soffit	Rgt		P	Wood	purple	6.8	QM
056	A	Rafter Tail	Rgt		P	Wood	purple	>9.9	QM
Exterior Room 002 Facade B									
061	B	Foundation	Ctr		P	Concrete	green	1.7	QM
064	B	Window	Lft	Casing	P	Wood	green	9.5	QM
Exterior Room 003 Facade C									
075	C	Window	Lft	Casing	P	Wood	green	7.1	QM
Exterior Room 004 Facade D									
071	D	Foundation	Rgt		P	Concrete	green	1.5	QM
069	D	Window	Rgt	Casing	P	Wood	green	>9.9	QM
070	D	Window	Rgt	Sill	P	Wood	green	>9.9	QM
Interior Room 003 Bedroom 1									
048	B	Window	Ctr	Jamb	P	Wood	white	7.5	QM
049	B	Window	Ctr	Blind Stop	P	Wood	white	3.8	QM
047	B	Window	Ctr	Part. bead	P	Wood	white	4.6	QM
Paint gone from well, no access to exterior of sash.									
Interior Room 004 Bath									
019	B	Window	Ctr	Well	P	Wood	white	3.0	QM
No access to other components									
020	B	Window	Ctr	Part. bead	P	Wood	white	5.1	QM
Interior Room 005 Kitchen									
038	B	Window	Rgt	Jamb	P	Wood	white	6.0	QM
039	B	Window	Rgt	Blind Stop	P	Wood	white	2.3	QM
040	B	Window	Rgt	Ext. Sash	P	Wood	white	7.9	QM
036	B	Window	Rgt	Well	P	Wood	white	>9.9	QM
037	B	Window	Rgt	Part. bead	P	Wood	white	8.3	QM
045	C	Window	Rgt	Well	P	Wood	white	3.8	QM
Interior Room 006 Bedroom 2									
029	C	Window	Ctr	Well	P	Wood	white	9.7	QM
027	D	Window	Ctr	Blind Stop	P	Wood	white	8.7	QM
028	D	Window	Ctr	Ext. Sash	P	Wood	white	>9.9	QM
026	D	Window	Ctr	Well	P	Wood	white	9.0	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Interior Room 007 Living Rm									
016	D	Window	Lft	Well	P	Wood	white	>9.9	QM
013	D	Window	Ctr	Jamb	P	Wood	white	7.7	QM
014	D	Window	Ctr	Blind Stop	P	Wood	white	4.5	QM
015	D	Window	Ctr	Ext. Sash	P	Wood	white	5.2	QM
011	D	Window	Ctr	Well	P	Wood	white	9.2	QM
012	D	Window	Ctr	Part. bead	P	Wood	white	6.7	QM
017	D	Window	Rgt	Well	P	Wood	white	>9.9	QM

Calibration Readings

---- End of Readings ----

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

Inspection Date: 05/13/14
 Report Date: 5/13/2014
 Abatement Level: 1.0
 Report No. S#02753 - 05/13/14 10:36
 Total Readings: 79
 Job Started: 05/13/14 10:36
 Job Finished: 05/13/14 12:02

14 Waverly Park Road
 Branford, CT

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Facade A									
058	A	Foundation	Ctr		P	Concrete	green	5.5	QM
055	A	Soffit	Rgt		P	Wood	purple	6.8	QM
056	A	Rafter Tail	Rgt		P	Wood	purple	>9.9	QM
052	A	Window	Rgt	Casing	P	Wood	green	0.0	QM
054	A	Window	Rgt	Sash	P	Wood	white	0.0	QM
053	A	Window	Rgt	Sill	P	Wood	green	0.0	QM
057	A	Door	Ctr	Casing	P	Wood	green	0.0	QM
Exterior Room 002 Facade B									
062	B	Basmnt Win.	Lft	Sash	P	Metal	black	0.1	TC
063	B	Foundation	Lft		P	Wood	green	0.4	QM
066	B	Casement Win	Lft	Sash	P	Wood	green	0.0	QM
061	B	Foundation	Ctr		P	Concrete	green	1.7	QM
064	B	Window	Lft	Casing	P	Wood	green	9.5	QM
065	B	Window	Lft	Sill	P	Wood	green	0.4	QM
059	B	Window	Rgt	Casing	P	Wood	green	0.0	QM
060	B	Window	Rgt	Sill	P	Wood	green	-0.3	QM
Exterior Room 003 Facade C									
073	C	Window	Lft	Casing	P	Wood	green	-0.2	QM
072	C	Window	Lft	Sill	P	Wood	green	0.1	QM
074	D	Basmnt Win.	Lft	Sash	P	Metal	black	0.2	QM
075	D	Window	Lft	Casing	P	Wood	green	7.1	QM
076	D	Window	Lft	Sill	P	Wood	green	-0.1	QM
Exterior Room 004 Facade D									
071	D	Foundation	Rgt		P	Concrete	green	1.5	QM
069	D	Window	Rgt	Casing	P	Wood	green	>9.9	QM
070	D	Window	Rgt	Sill	P	Wood	green	>9.9	QM
Exterior Room 005 Shed									
067	B	Facade	Ctr		P	Wood	gray	-0.2	QM
068	B	Door	Ctr		P	Wood	gray	-0.1	QM
Interior Room 002 Sun Porch									
005	-	Ceiling	Ctr		P	Acoustical	white	-0.1	QM
004	A	Window	Rgt	Well	P	Wood	white	0.0	QM
006	A	Door	Ctr	Stop	P	Wood	white	-0.2	QM
007	A	Door	Ctr	Threshold	P	Wood	green	-0.2	QM
Interior Room 003 Bedroom 1									

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
048	B	Window	Ctr	Jamb	P	Wood	white	7.5	QM
049	B	Window	Ctr	Blind Stop	P	Wood	white	3.8	QM
047	B	Window	Ctr	Part. bead	P	Wood	white	4.6	QM
Paint gone from well, no access to exterior of sash.									
050	C	Door	Rgt		P	Wood	white	-0.4	QM
051	C	Door	Rgt	Jamb	P	Wood	white	-0.2	QM
Interior Room 004 Bath									
018	B	Window	Ctr	Sash	P	Wood	white	0.0	QM
019	B	Window	Ctr	Well	P	Wood	white	3.0	QM
No access to other components									
020	B	Window	Ctr	Part. bead	P	Wood	white	5.1	QM
021	D	Door	Ctr		P	Wood	white	-0.5	QM
022	D	Door	Ctr	Casing	P	Wood	white	-0.1	QM
023	D	Door	Ctr	Jamb	P	Wood	white	-0.3	QM
024	D	Door	Ctr	Stop	P	Wood	white	-0.4	QM
Interior Room 005 Kitchen									
033	B	Window	Ctr	Casing	P	Wood	white	-0.2	QM
034	B	Window	Ctr	Sill	P	Wood	white	-0.2	QM
038	B	Window	Rgt	Jamb	P	Wood	white	6.0	QM
039	B	Window	Rgt	Blind Stop	P	Wood	white	2.3	QM
040	B	Window	Rgt	Ext. Sash	P	Wood	white	7.9	QM
035	B	Window	Rgt	Sash	P	Wood	white	-0.3	QM
036	B	Window	Rgt	Well	P	Wood	white	>9.9	QM
037	B	Window	Rgt	Part. bead	P	Wood	white	8.3	QM
045	C	Window	Rgt	Well	P	Wood	white	3.8	QM
041	C	Door	Lft		P	Wood	white	-0.3	QM
042	C	Door	Lft	Casing	P	Wood	white	-0.1	QM
043	C	Door	Lft	Jamb	P	Wood	gray	-0.1	QM
044	C	Door	Lft	Threshold	P	Wood	green	0.4	QM
046	C	Door	Lft	Threshold	P	Wood	white	-0.3	QM
Interior Room 006 Bedroom 2									
025	-	Ceiling	Ctr		P	Acoustical	white	0.1	QM
030	B	Door	Lft		P	Wood	white	-0.9	QM
031	B	Door	Lft	Jamb	P	Wood	white	-0.2	QM
032	B	Door	Lft	Stop	P	Wood	white	-0.1	QM
029	C	Window	Ctr	Well	P	Wood	white	9.7	QM
027	D	Window	Ctr	Blind Stop	P	Wood	white	8.7	QM
028	D	Window	Ctr	Ext. Sash	P	Wood	white	>9.9	QM
026	D	Window	Ctr	Well	P	Wood	white	9.0	QM
Interior Room 007 Living Rm									
008	-	Ceiling	Ctr		P	Dry wall	white	-0.2	QM
009	B	Wall	Ctr		P	Paneling	white	-0.2	QM
016	D	Window	Lft	Well	P	Wood	white	>9.9	QM
013	D	Window	Ctr	Jamb	P	Wood	white	7.7	QM
014	D	Window	Ctr	Blind Stop	P	Wood	white	4.5	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
015	D	Window	Ctr	Ext. Sash	P	Wood	white	5.2	QM
011	D	Window	Ctr	Well	P	Wood	white	9.2	QM
010	D	Window	Ctr	Sill	P	Wood	white	-0.4	QM
012	D	Window	Ctr	Part. bead	P	Wood	white	6.7	QM
017	D	Window	Rgt	Well	P	Wood	white	>9.9	QM
Calibration Readings									
001								1.0	TC
002								1.0	TC
003								1.0	TC
077								1.1	TC
078								1.0	TC
079								1.0	TC
----- End of Readings -----									

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 04/14/14 11:26

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

PERFORMED AT: 14 Waverly Park Road
Branford, CT

INSPECTION DATE: 04/14/14

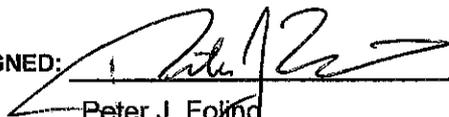
INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 02753

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 000102

A Lead-Based Paint Screen was performed for the exterior of the building.

SIGNED: _____



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

Date: _____

4/14/14

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: David Holmes

Inspection Date: 04/14/14 14 Waverly Park Road
 Report Date: 4/15/2014 Branford, CT
 Abatement Level: 1.0
 Report No. S#02753 - 04/14/14 11:26
 Total Readings: 20 Actionable: 8
 Job Started: 04/14/14 11:26
 Job Finished: 04/14/14 11:49

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Facade A									
015	A	Porch	Ctr	Rafter Tail	P	Wood	Yellow	>9.9	QM
017	A	Rafter Tail	Ctr		P	Wood	Purple	2.3	QM
016	A	Soffit	Ctr		P	Wood	Purple	9.7	QM
Exterior Room 002 Facade B									
006	B	Foundation	Ctr		P	Block	green	5.8	QM
007	B	Foundation	Ctr		P	Block	green	1.0	QM
010	B	Window	Ctr	Casing	P	Wood	green	>9.9	QM
Exterior Room 004 Facade D									
014	D	Foundation	Ctr		P	Block	green	8.7	QM
013	D	Window	Ctr	Sill	P	Wood	green	>9.9	QM

Calibration Readings

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: David Holmes

Inspection Date: 04/14/14
 Report Date: 4/15/2014
 Abatement Level: 1.0
 Report No. S#02753 - 04/14/14 11:26
 Total Readings: 20
 Job Started: 04/14/14 11:26
 Job Finished: 04/14/14 11:49

14 Waverly Park Road
 Branford, CT

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Facade A									
004	A	Foundation	Ctr		P	Block	green	0.5	QM
005	A	Stoop	Ctr		P	Concrete	green	0.4	QM
015	A	Porch	Ctr	Rafter Tail	P	Wood	Yellow	>9.9	QM
017	A	Rafter Tail	Ctr		P	Wood	Purple	2.3	QM
016	A	Soffit	Ctr		P	Wood	Purple	9.7	QM
Exterior Room 002 Facade B									
006	B	Foundation	Ctr		P	Block	green	5.8	QM
007	B	Foundation	Ctr		P	Block	green	1.0	QM
008	B	Facade	Ctr		P	Aluminum	blue	-0.3	QM
009	B	Porch	Ctr	Wainscottng	P	Wood	green	0.4	QM
010	B	Window	Ctr	Casing	P	Wood	green	>9.9	QM
Exterior Room 003 Facade C									
011	C	Porch steps	Ctr		P	Concrete	green	0.0	QM
012	C	Corner board	Ctr		P	Wood	blue	-0.1	QM
Exterior Room 004 Facade D									
014	D	Foundation	Ctr		P	Block	green	8.7	QM
013	D	Window	Ctr	Sill	P	Wood	green	>9.9	QM
Calibration Readings									
001								1.0	TC
002								0.9	TC
003								1.0	TC
018								1.0	TC
019								0.9	TC
020								1.0	TC

---- End of Readings ----

APPENDIX 4

LEAD DUST AND SOIL SAMPLE LABORATORY REPORT

031418393



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 38 th 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
---	---	--	---

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; rsioc@eagleenviro.com

Project Name: Capital Studio Architects LBP Risk Assessment **Project #:** 14-028.12T9

Project Location: 14 Waverly Park Road, Branford **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-8480-99
 - 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 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)		Date:	Time:	TOTAL SAMPLE #
5/13 KL 01	<i>[Signature]</i>	5/13/14	PM	10
5/13 KL 10	<i>[Signature]</i>	5/13/14	PM	
	<i>[Signature]</i>	5/13/14	PM	
	<i>[Signature]</i>	5/14/14	10:40 AM	

FX/S 7959 3796 7110
Page 1 of 2

**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: 031418393
 CustomerID: EEVM50
 CustomerPO:
 ProjectID:

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

Phone: (860) 589-8257
 Fax: (860) 585-7034
 Received: 05/14/14 10:40 AM
 Collected: 5/13/2014

Project: 14-028.12T9/ CAPITAL STUDIO ARCHITECTS LBP RISK ASSESSMENT/ 14 WAVERLY PARK ROAD, BRANFORD

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

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Area Sampled</i>	<i>Lead Concentration</i>
5/13-KL-01 Site: SUN PORCH/ FLOOR AT ENTRY	0001	5/13/2014	5/14/2014	144 in ²	<10 µg/ft ²
5/13-KL-02 Site: SUN PORCH/ WINDOW WELL	0002	5/13/2014	5/14/2014	90 in ²	52 µg/ft ²
5/13-KL-03 Site: LIVING ROOM/ FLOOR	0003	5/13/2014	5/14/2014	144 in ²	18 µg/ft ²
5/13-KL-04 Site: LIVING ROOM/ WINDOW SILL	0004	5/13/2014	5/14/2014	99 in ²	<15 µg/ft ²
5/13-KL-05 Site: BEDROOM 2/ FLOOR	0005	5/13/2014	5/14/2014	144 in ²	<10 µg/ft ²
5/13-KL-06 Site: BEDROOM2/ WINDOW SILL	0006	5/13/2014	5/14/2014	99 in ²	40 µg/ft ²
5/13-KL-07 Site: KITCHEN/ FLOOR AT ENTRY	0007	5/13/2014	5/14/2014	144 in ²	11 µg/ft ²
5/13-KL-08 Site: KITCHEN/ WINDOW SILL	0008	5/13/2014	5/14/2014	72 in ²	55 µg/ft ²
5/13-KL-09 Site: FIELD BLANK	0009	5/13/2014	5/14/2014	n/a	<10 µg/wipe
5/13-KL-10 Site: FIELD BLANK	0010	5/13/2014	5/14/2014	n/a	<10 µg/wipe

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
 or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

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

Initial report from 05/14/2014 19:26:32

031418389



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 38 th 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
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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: Capital Studio Architects LBP Risk Assessment **Project #:** 14-028.12T9

Project Location: 14 Waverly Park Road, Branford **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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- 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
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 - PLM NOB (Gravimetric) NYS 198.1
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 - EPA Point Count (1,000 Points)
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- 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**
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 - 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 AOC 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 Miles 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 Coll, 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)
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 - Bacterial Count & Identification (3 most prominent types)
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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)		TOTAL SAMPLE #
5/13 KL SOIL 01		1
Relinquished:	<i>[Signature]</i>	Date: 5/13/14 Time: PM
Received:	<i>[Signature]</i>	Date: 5/13/14 Time: PM
Relinquished:	<i>[Signature]</i>	Date: 5/13/14 Time: PM
Received:	Unique Braun	Date: 5/14/14 Time: 10:40 AM

FAS 7959 3796 7110



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: 031418389
CustomerID: EEVM50
CustomerPO:
ProjectID:

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

Phone: (860) 589-8257
Fax: (860) 585-7034
Received: 05/14/14 10:40 AM
Collected: 5/13/2014

Project: 14-028.12T9/ CAPITAL STUDIO ARCHITECTS LBP RISK ASSESSMENT/ 14 WAVERLY PARK ROAD, BRANFORD/ CT

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

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
5/13-KL-SOIL-01	0001	5/13/2014	5/14/2014	140 mg/Kg
Site: VEGETABLE GARDEN ALONG DRIPLINE/ B 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 05/15/2014 07:28:00

APPENDIX 5
RADON TESTING REPORTS

Radon testing not performed. Structure will be elevated with lowest level of building not in contact with the ground.

APPENDIX 6
MOLD INSPECTION FORMS



MOLD OBSERVATION FORM

Eagle Project No: 14-02B-1219 Date: 4/14/14 Inspector: P. Folino

Facility Address: 14 WAVERLY PARK ROAD BRANFORD, CT

Location	Observation	Sample Number
Front Room	ceiling Replaced with new sheetrock by homeowner. No visible signs of mold growth	
Front Porch	Minor water staining on ceiling tiles but dry to touch. No visible signs of mold growth.	
Crawl Space	Some standing water on dirt floor. Fiberglass insulation between floor joists and under spray foam wet to touch. Fiberglass insulation recommended for removal. Underside of floor deck and joists are likely holding moisture.	

APPENDIX 7

ABATEMENT AND CONSULTING COST ESTIMATES

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES

APPLICATION NO. 1180
14 WAVERLY PARK ROAD
BRANFORD, CONNECTICUT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
FRONT PORCH ROOFING MATERIALS	280	\$ 6.00 SF	\$ 1,680.00
BASEMENT WINDOW GLAZING COMPOUND	5	\$ 75.00 EA	\$ 375.00
SUBTOTAL			\$ 2,055.00
ASBESTOS ABATEMENT CONTINGENCY			\$ 205.50
ASBESTOS TOTAL			\$ 2,260.50

LEAD BASED PAINT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
RRP WORK PRACTICES			
LEAD-BASED PAINT PER SCOPE	1	\$ 14,500.00 EACH	\$ 14,500.00
SUBTOTAL			\$ 14,500.00
LEAD RENOVATION CONTINGENCY			\$ 2,900.00
LEAD RENOVATION TOTAL			\$ 17,400.00

MICROBIAL CONTAMINATION REMEDIATION COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
FIBERGLASS INSULATION REMOVAL - CRAWLS SPC.	1	\$ 2,500.00 EACH	\$ 2,500.00
SPRAY FOAM INSULATION REMOVAL	1	\$ 6,200.00 EACH	\$ 6,200.00
SUBTOTAL			\$ 8,700.00
MICROBIAL REMEDITION CONTINGENCY			\$ 870.00
MICROBIAL REMEDIATION TOTAL			\$ 9,570.00

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL \$ 29,230.50

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
CONSULTING ESTIMATE	1	\$2,800.00 EACH	\$ 2,800.00
SUBTOTAL			\$ 2,800.00
CONSULTING CONTINGENCY			\$ 280.00
CONSULTING TOTAL			\$ 3,080.00

GRAND TOTAL \$ 32,310.50

APPENDIX 8

**EAGLE ENVIRONMENTAL INC. LICENSES AND LABORATORY
CERTIFICATES**

CERT# A-508 - 490

CHEMSCOPE TRAINING DIVISION
ASBESTOS INSPECTOR/MANAGEMENT PLANNER REFRESHER
8 HOUR TRAINING CERTIFICATE

Peter J. Follno
8 South Main Street Suite 3, Terryville CT

Has attended an 8 hour annual refresher training course on the subject discipline on
02/19/2014 and has passed a written examination.

"The person receiving this certificate has completed the requisite training for asbestos accreditation as an
inspector/management planner under TSCA Title II"

Course topics include a review and update on asbestos health hazards, functions of inspectors and management planners,
building systems, planning, inspecting for asbestos, sampling and analysis, respiratory protection, government regulations and
preparing the inspection report.

Examination Date: 02/19/2014

Expiration Date: 02/19/2015

This training course has been accredited by the State of Connecticut.



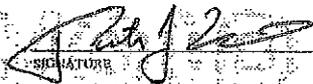
Ronald D. Arena or Brian Santos
Training Director Training Manager

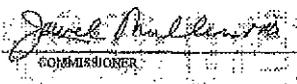
Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
(203) 865-5805

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 INSP/MGMT PLANNER

PETER J. FOLLNO

LICENSE NO.
000184
CURRENT THROUGH
05/31/14
VALIDATION NO.
03-608373

 SIGNATURE

 COMMISSIONER

CERT# L-600 - 771

CHEMSCOPE TRAINING DIVISION
LEAD INSPECTOR/RISK ASSESSOR REFRESHER
8 HOUR TRAINING CERTIFICATE

Peter J. Folino

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: 03/13/2016

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.



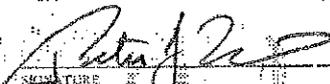
Ronald D. Arena or Brian Santos
Training Director Training Manager

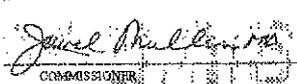
Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
(203) 865-5605

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

PETER J. FOLINO

CERTIFICATION NO.
000102
CURRENT THROUGH
05/31/14
VALIDATION NO.
03-608372


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

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
KRISTEN P. LILJEHULT
CERTIFICATION NO.
002153
CURRENT THROUGH
12/31/14
VALIDATION NO.
03-715184
Stephen J. Craig
SIGNATURE
Janel Muller
COMMISSIONER

ENVIRONMENTAL TRAINING AND ASSESSMENT

Certificate of Completion Lead Inspector/Risk Assessor — Refresher

Awarded To

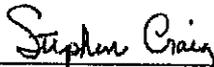
Kristen Liljehult
269 Baileyville Road
Middlefield, CT 06455

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 Date: 1/2/2014

Examination Grade: 88%
Certificate Number: LI/RAR-00350

Expiration Date: 1/2/2015



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) (SIGNATURE)

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