EAGLE Environmental, Inc.

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

January 30, 2015

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

RE: Environmental Assessment Report
Department of Housing
CDBG-DR – Sandy Disaster Recovery Program
10 Farm Creek Road
Norwalk, Connecticut 06853
Application #1450
Eagle Project No. 14-028.12T24

Dear Mr. Holmes:

Please find the attached Environmental Assessment Report conducted at 10 Farm Creek Road located in Norwalk, Connecticut (Site). The environmental assessment was performed in support of the planned renovations/repairs to the Site building under the State of Connecticut Department of Housing Community Development Block Grant – Disaster Recovery Program (Program). The assessment focused only on those areas of the building that are scheduled for renovation/repair work with the exception of the lead-based paint testing, 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 Liljenult
Environmental Consultant II

Report Reviewed By:
Peter J. Folino
Project Manager

\\Eaglesvr\public\2014 Files\2014 Reports\Capital Studio Architects\Hurricane Sandy\10 Farm Creek Rd. - Norwalk\10 Farm Creek Rd - Enviro Assessment Report.doc

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1. INTRODUCTION

On August 19, 2014, Eagle Environmental, Inc. conducted an environmental assessment of portions of the site building located at 10 Farm Creek Road in Norwalk, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a lead-based paint inspection and risk assessment 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 June 4, 2014. For the purpose of this project the following areas were inspected:

- Any material that may be impacted by elevating the building
- Exterior facades
- Interior sheetrock
- Interior ceramic tiles

In addition to testing the areas of the building that will be impacted by the renovation work, a lead-based paint inspection 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 Andrew Carnevale; a State of Connecticut licensed Asbestos Inspector (license #000850).

2.2 Lead-based Paint

A lead-based paint inspection 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 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 $25,00 0 per unit:

   a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.

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

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

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

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

3. **Residential property receiving greater than $25,000 per unit:**

   a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.

   b. Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.

   c. Abate all interior lead-based paint hazards identified during the lead inspection/risk assessment. Interim controls are acceptable on exterior surfaces that are not disturbed by rehabilitation and on paint-lead hazards that are below the de minimus levels.

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

e. Perform clearance testing following abatement work.

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

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

In addition to HUD's Lead Safe Housing Rule, the State of Connecticut Department of Public Health Lead Poisoning Prevention and Control regulations apply when a child under the age of six (6) years old lives in the residence at the time of the inspection. The lead inspection was performed in accordance with State requirements, where applicable. There were no children under the age of six (6) residing in the dwelling unit at the time of inspection.

2.3 Radon Testing

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

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

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

2.4 Mold Inspection

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

3. INSPECTION PROTOCOLS

3.1 Asbestos Containing Materials

3.1.1 Inspection

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

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

During the inspection, suspect materials are located, sampled, quantified and the friability of the material is determined. Friable materials are those materials that hand pressure can crumble, pulverize or reduce to powder when dry. An estimated quantity of identified

ACM is provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material.

3.1.2 Bulk Sampling

During the sampling process, suspect ACM is separated into three (3) USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous materials (MISC). TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, 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 10 Farm Creek Road in Norwalk, 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 10 Farm Creek Road in Norwalk, Connecticut.

3.2 Lead-based Paint

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

Due to the level of proposed Federal Funding for this project (exceeding $25,000 per unit) as well as the architect's proposed scope of work, a comprehensive lead-based paint inspection was performed throughout the building. The building is proposed to be raised and the interior finishes are to be replaced; therefore, a comprehensive lead-based paint inspection 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 4. 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.

3.3 Radon Testing

The site building is proposed to be elevated and the lowest level of the building will not 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 twenty (20) bulk samples of suspect ACM were collected and eighteen (18) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

The following materials were confirmed to be ACM:

- Black flashing cement on chimney
- Cement patch on chimney

The black flashing cement on the chimney and the chimney patch cement are located in the Attic. It appears the materials were utilized to patch a small crack in the chimney. The summaries of asbestos and non-asbestos materials are presented in Tables I and II respectively. The asbestos analysis laboratory reports are provided in Appendix 2.

The identified ACM may not be impacted by the proposed scope of renovation work. However, should the renovation work disturb the identified ACM, the materials should be removed utilizing the glove bag removal method described in the project Asbestos Removal specifications.

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

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

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

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

4.2 Lead-based Paint

A copy of this lead-based paint inspection report must be provided to residents within fifteen (15) days of the evaluation. A total of three hundred and nine (309) XRF readings were collected during the lead-hazard screen of the building. From the three hundred and nine (309) readings, four (4) were found to contain toxic levels of lead-based paint.

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

- The "A" façade entry door, door jamb stop and door kick plate
- The Bathroom 1 (002) black ceramic tiles

The ceramic tiles are being replaced as part of the scope of work; therefore, lead safe work practices must be utilized during the removal of the black ceramic tiles within Bathroom 1 (002). The front entry door components will not impact the proposed scope of work; however, the hazards will need to be addressed as part of the scope of work.

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 exceeds $25,000.00 per unit. All interior lead-based paint hazards must be addressed using abatement methods while the exterior lead-based paint hazards may be controlled utilizing interim controls (temporary measures). This residence is considered target housing (housing constructed prior to 1978) by the USEPA. The interior abatement work must be performed by a licensed State of Connecticut Lead Abatement Contractor and the exterior interim control work may be completed by a Certified USEPA RRP Firm.

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 four (4) dust wipes were collected at the time of inspection. No lead-dust hazards were identified at the sampled locations. Eagle Environmental, Inc. recommends that the residents continue to follow their regular cleaning regimen.

4.2.2 Soil Hazards

A total of three (3) soil samples were collected at the time of inspection. No lead-soil hazards were identified in the sampled locations. The owner should maintain the ground cover in its current condition.

A copy of the dust and soil sample laboratory reports may be found in Appendix 4.

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 - High (33%). 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 within the building showed no signs of water intrusion, no water staining, no mold spore growth and no pungent odors throughout the building.

The only damage identified is cracking of the ceramic wall tiles within Bathroom 1 (002) due to settling. The ceramic tiles are scheduled for replacement.

Per the homeowner, the siding suffered water damage in various areas. There is no way to determine the extent of mold underneath the siding until it is pulled off.

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
10 FARM CREEK ROAD
NORWALK, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
Attic	Black flashing cement on chimney	8-19-AC-20	MISC	5% Chrys			YES	1 LF	NF
		8-19-AC-21		DNA					
Attic	Cement patch on chimney	8-19-AC-22	MISC	2% Chrys			YES	1 LF	NF
		8-19-AC-23		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
10 FARM CREEK ROAD
NORWALK, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Crawl Space	Sheetrock debris in dirt	8-19-AC-08	MISC	NAD			NO
		8-19-AC-09		NAD			
Crawl Space	Batting insulation paper	8-19-AC-10	MISC	NAD			NO
		8-19-AC-11		NAD			
Crawl Space	CMU Block mortar	8-19-AC-12	MISC	NAD			NO
		8-19-AC-13		NAD			
Crawl Space	Black paper in dirt	8-19-AC-14	MISC	NAD			NO
		8-19-AC-15		NAD			
Bathroom	Ceramic wall tile adhesive	8-19-AC-16	MISC	NAD			NO
		8-19-AC-17		NAD			
Bathroom	Ceramic wall tile grout	8-19-AC-18	MISC	NAD			NO
		8-19-AC-19		NAD			
Facade C	Fiberboard under siding	8-19-AC-24	MISC	NAD			NO
		8-19-AC-25		NAD			
Facade C	Black vapor barrier paper under siding	8-19-AC-26	MISC	NAD			NO
		8-19-AC-27		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

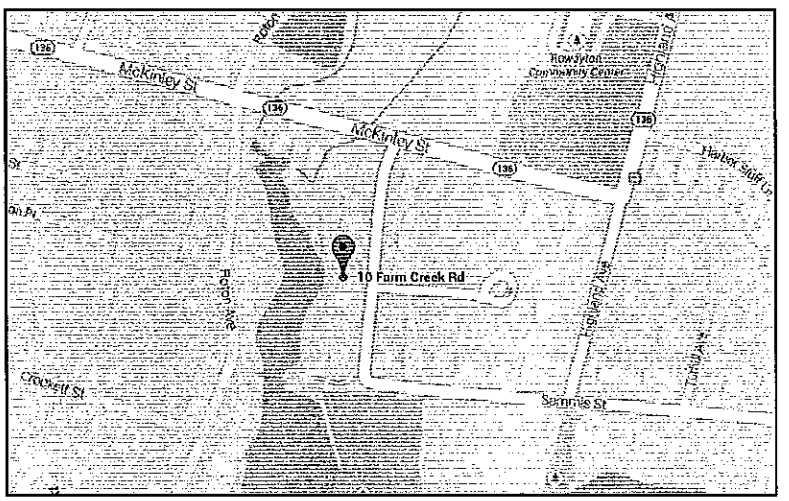
CAPITOL STUDIOS ARCHITECTS

10 FARM CREEK ROAD
NORWALK, CONNECTICUT

EAGLE PROJECT NUMBER: 14-028.12T24

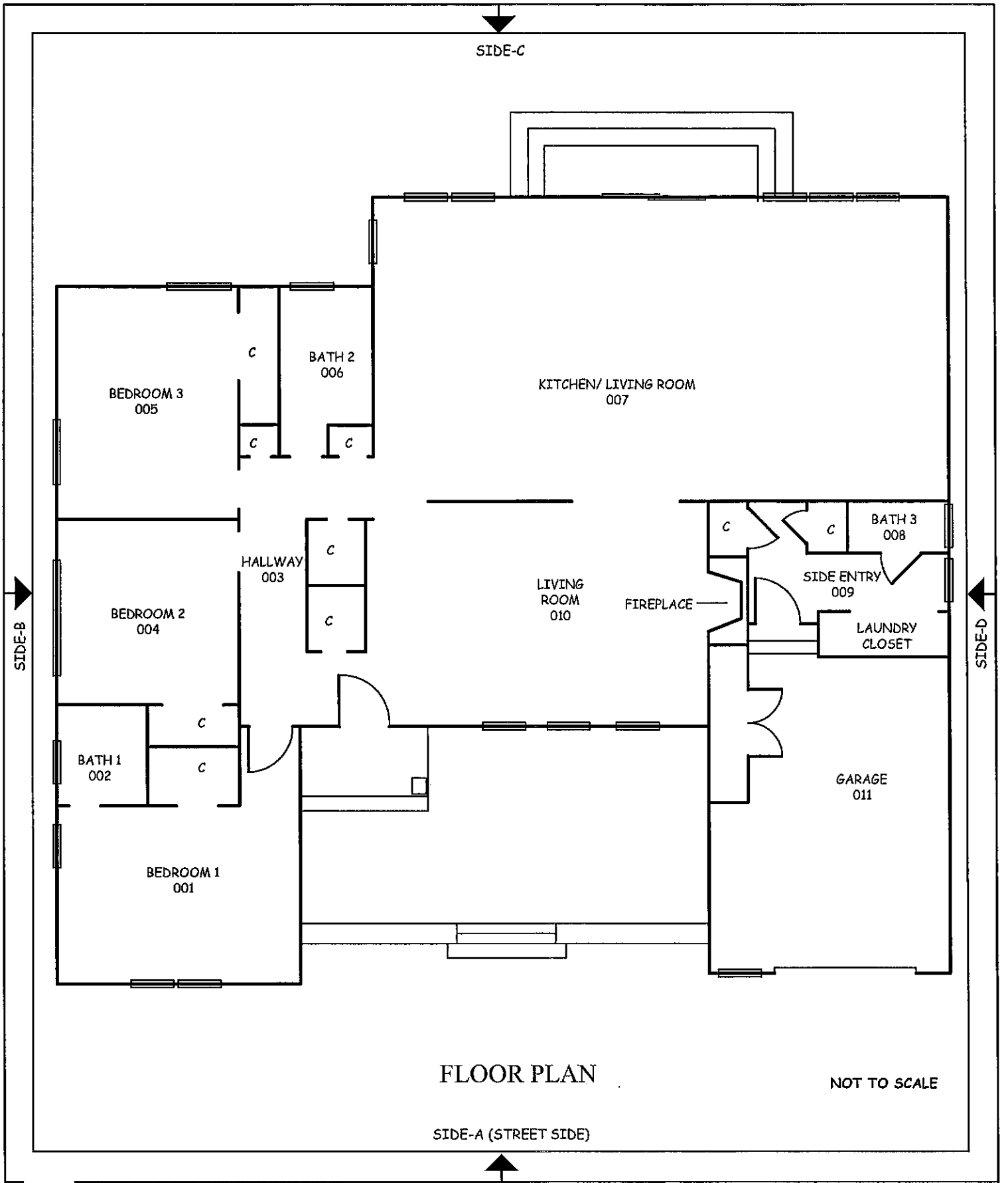
INDEX OF DRAWINGS

LOCATION MAP



JANUARY 30, 2015

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



FLOOR PLAN

NOT TO SCALE

EAGLE Environmental, Inc.

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

DATE: 01/30/2015
PROJECT NO.: 14-028.12-T24
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
10 FARM CREEK ROAD
NORWALK, CONNECTICUT

SHEET NO.

FP-1

SHEET 1 OF 1

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APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

OrderID: 031432281 0314327281

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; rsioch@eagleenviro.com
Project Name	CSA Super Storm Sandy	**Project #:**	14-028.12T24
Project Location:	10 Farm Creek Rd., Norwalk	**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)	8-19-AC-08	8-19-AC-27		**TOTAL SAMPLE #**	20
Relinquished:	ANDREW CARNEVALE	**Date:**	8-19-2014	**Time:**	PM
Received:	NANCY PORTER	**Date:**	8-19-2014	**Time:**	PM
Relinquished:	NANCY PORTER	**Date:**	8-20-2014	**Time:**	PM
Received:	L. COLEMAN	**Date:**	8/21/14	**Time:**	10:16 AM

0314300081

OrderID: 031432281

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.)
8-19-AC-08	Sheetrock debris in dirt	Crawl Space		NAD
8-19-AC-09	Sheetrock debris in dirt	Crawl Space		
8-19-AC-10	Batting insulation paper	Crawl Space		
8-19-AC-11	Batting insulation paper	Crawl Space		
8-19-AC-12	CMU Block mortar	Crawl Space		
8-19-AC-13	CMU Block mortar	Crawl Space		
8-19-AC-14	Black paper in dirt	Crawl Space		
8-19-AC-15	Black paper in dirt	Crawl Space		
8-19-AC-16	Ceramic wall tile adhesive	Bathroom		
8-19-AC-17	Ceramic wall tile adhesive	Bathroom		
8-19-AC-18	Ceramic wall tile grout	Bathroom		
8-19-AC-19	Ceramic wall tile grout	Bathroom		
8-19-AC-20	Black flashing cement on chimney	Attic		5% Chrys
8-19-AC-21	Black flashing cement on chimney	Attic		DNA
8-19-AC-22	Cement patch on chimney	Attic		2% Chrys
8-19-AC-23	Cement patch on chimney	Attic		DNA
8-19-AC-24	Fiberboard under siding	Fac C		NAD
8-19-AC-25	Fiberboard under siding	Fac C		
8-19-AC-26	Black vapor barrier paper under siding	Fac C		
8-19-AC-27	Black vapor barrier paper under siding	Fac C		

031432288 L. Coleman 5/21/14 10:16 AM

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:	031432281
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:	08/21/14 10:16 AM
Analysis Date:	8/21/2014
Collected:	8/19/2014

Project: **14-028-12T24/ CSA SUPER STORM SANDY / 10 FARM CREEK ROAD / NORWALK , CT**

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
8-19-AC-08 *031432281-0001*	SHEETROCK DEBRIS IN DIRT / CRAWLSPACE	Brown/White Non-Fibrous Homogeneous		60% Gypsum 30% Matrix 10% Non-fibrous (other)	**None Detected**
8-19-AC-09 *031432281-0002*	SHEETROCK DEBRIS IN DIRT / CRAWLSPACE	Gray Non-Fibrous Homogeneous	6% Cellulose 2% Glass	10% Quartz 40% Gypsum 42% Non-fibrous (other)	**None Detected**
8-19-AC-10 *031432281-0003*	BATTING INSULATION PAPER / CRAWLSPACE	Brown/Black Fibrous Homogeneous	30% Cellulose 10% Glass	50% Matrix 10% Non-fibrous (other)	**None Detected**
8-19-AC-11 *031432281-0004*	BATTING INSULATION PAPER / CRAWLSPACE	Brown/Black Fibrous Heterogeneous	70% Cellulose 8% Glass	22% Non-fibrous (other)	**None Detected**
8-19-AC-12 *031432281-0005*	CMU BLOCK MORTAR / CRAWLSPACE	Tan/Black Non-Fibrous Homogeneous		50% Quartz 40% Ca Carbonate 10% Non-fibrous (other)	**None Detected**
8-19-AC-13 *031432281-0006*	CMU BLOCK MORTAR / CRAWLSPACE	Brown Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	**None Detected**
8-19-AC-14 *031432281-0007*	BLACK PAPER IN DIRT / CRAWLSPACE	Brown/Black Fibrous Homogeneous	40% Cellulose	50% Matrix 10% Non-fibrous (other)	**None Detected**

Analyst(s)

Jon Williams (8)
Yolanda Chow (10)

James Hall, Laboratory Manager
or other approved signatory

Initial report from 08/21/2014 23:11:49

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Collected:	8/19/2014

Project: **14-028-12T24/ CSA SUPER STORM SANDY / 10 FARM CREEK ROAD / NORWALK , CT**

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**
8-19-AC-15 *031432281-0008*	BLACK PAPER IN DIRT / CRAWLSPACE	Brown/Black Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	**None Detected**
8-19-AC-16 *031432281-0009*	CERAMIC WALL TILE ADHESIVE / BATHROOM	Red Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (other)	**None Detected**
8-19-AC-17 *031432281-0010*	CERAMIC WALL TILE ADHESIVE / BATHROOM	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
8-19-AC-18 *031432281-0011*	CERAMIC WALL TILE GROUT / BATHROOM	Gray Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (other)	**None Detected**
8-19-AC-19 *031432281-0012*	CERAMIC WALL TILE GROUT / BATHROOM	Gray/White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (other)	**None Detected**
8-19-AC-20 *031432281-0013*	BLACK FLASHING CEMENT ON CHIMNEY / ATTIC	Black Non-Fibrous Homogeneous		30% Ca Carbonate 50% Matrix 15% Non-fibrous (other)	**5% Chrysotile**
8-19-AC-21 *031432281-0014*	BLACK FLASHING CEMENT ON CHIMNEY / ATTIC				**Stop Positive (Not Analyzed)**
8-19-AC-22 *031432281-0015*	CEMENT PATCH ON CHIMNEY/ ATTIC	Tan/White Non-Fibrous Homogeneous		60% Ca Carbonate 38% Non-fibrous (other)	**2% Chrysotile**

Analyst(s)

Jon Williams (8)
Yolanda Chow (10)

James Hall, Laboratory Manager
or other approved signatory

Initial report from 08/21/2014 23:11:49

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Project: **14-028-12T24/ CSA SUPER STORM SANDY / 10 FARM CREEK ROAD / NORWALK , CT**

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
8-19-AC-23 *031432281-0016*	CEMENT PATCH ON CHIMNEY/ ATTIC						**Stop Positive (Not Analyzed)**
8-19-AC-24 *031432281-0017*	FIBERBOARD UNDER SIDING / FAÇADE C	Brown Fibrous Homogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
8-19-AC-25 *031432281-0018*	FIBERBOARD UNDER SIDING / FAÇADE C	Brown Fibrous Homogeneous	97%	Cellulose	3%	Non-fibrous (other)	**None Detected**
8-19-AC-26 *031432281-0019*	BLACK VAPOR BARRIER UNDER SIDING / FAÇADE C	Black Fibrous Homogeneous	40%	Cellulose	50% 10%	Matrix Non-fibrous (other)	**None Detected**
8-19-AC-27 *031432281-0020*	BLACK VAPOR BARRIER UNDER SIDING / FAÇADE C	Brown/Black Fibrous Homogeneous	42%	Cellulose	58%	Non-fibrous (other)	**None Detected**

Analyst(s)
Jon Williams (8)
Yolanda Chow (10)

James Hall, Laboratory Manager
or other approved signatory

Initial report from 08/21/2014 23:11:49

APPENDIX 3

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 08/19/14 12:27

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

PERFORMED AT: 10 Farm Creek Road
Norwalk, Connecticut

INSPECTION DATE: 08/19/14

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

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A Comprehensive Lead-Based Paint Inspection was performed at 10 Farm Creek Road in Norwalk, Connecticut for the Interiors and Exteriors.

SIGNED: _____ Date: 8/19/14

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

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

Inspection Date:	08/19/14	10 Farm Creek Road
Report Date:	8/19/2014	Norwalk, Connecticut
Abatement Level:	1.0	
Report No.	S#02753 - 08/19/14 12:27	
Total Readings:	309 Actionable: 4	
Job Started:	08/19/14 12:27	
Job Finished:	08/19/14 15:50	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
249	A	Door	Lft		P	Wood	Green	1.0	QM
284	A	Kickplate	Lft		P	Wood	Gray	1.0	QM
Interior Room 002 Bathroom 1									
305	C	Wall	Ctr		I	Ceramic	black	>9.9	QM
Interior Room 003 Hallway									
057	A	Door	Lft	Stop	I	Wood	White	1.8	QM
Calibration Readings									
Calibration Readings									
Calibration Readings									

---- End of Readings ----

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

Inspection Date:	08/19/14	10 Farm Creek Road
Report Date:	8/19/2014	Norwalk, Connecticut
Abatement Level:	1.0	
Report No.	S#02753 - 08/19/14 12:27	
Total Readings:	309	
Job Started:	08/19/14 12:27	
Job Finished:	08/19/14 15:50	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
280	A	Aluminum Sid	Lft		I	Aluminum	Beige	-0.3	QM
285	A	Shutters	Lft		I	Wood	Purple	0.0	QM
277	A	Clapboard	Rgt		I	Fiberboard	Beige	-0.4	QM
278	A	Garage Door	Rgt	Casing	I	Fiberboard	White	-0.2	QM
279	A	Canopy Trim	Rgt		I	Wood	White	-0.1	QM
303	A	Fascia	Rgt		I	Wood	White	-0.3	QM
302	A	Window	Rgt	Casing	I	Wood	White	-0.3	QM
301	A	Window	Rgt	Sill	I	Wood	White	-0.5	QM
281	A	Door	Lft	Casing	I	Aluminum	White	0.4	QM
282	A	Door	Lft	N\A	I	Aluminum	White	-0.6	QM
283	A	Door	Lft	threshold	I	Wood	Gray	0.0	QM
309	A	Railing	Lft	Balusters	I	Metal	black	0.5	QM
249	A	Door	Lft		P	Wood	Green	1.0	QM
284	A	Kickplate	Lft		P	Wood	Gray	1.0	QM
Exterior Room 002 Facade B									
288	B	Shutters	Lft		I	Plastic	blue	-0.6	QM
286	B	Aluminum Sid	Rgt		I	Aluminum	Beige	-0.3	QM
287	B	Shutters	Rgt		I	Plastic	Purple	-0.6	QM
Exterior Room 003 Facade C									
292	C	Foundation	Lft		I	Concrete	Gray	-0.1	QM
289	C	Aluminum Sid	Rgt		I	Aluminum	Gray	0.0	QM
290	C	Clapboard	Rgt		I	Wood	blue	0.2	QM
291	C	Clapboard	Rgt		I	Fiberboard	Gray	0.0	QM
294	C	Window	Lft	Casing	I	Wood	White	-0.3	QM
293	C	Window	Lft	Sill	I	Wood	White	-0.3	QM
295	C	Door	Lft	Casing	I	Wood	White	-0.2	QM
296	C	Door	Lft	Kick plate	I	Wood	White	-0.2	QM
297	C	Door	Lft	Guard	I	Wood	White	-0.1	QM
Exterior Room 004 Facade D									
304	D	Fascia	Ctr		I	Wood	White	-0.3	QM
298	D	Clapboard	Rgt		I	Fiberboard	Beige	-0.4	QM
299	D	Window	Rgt	Casing	I	Wood	White	-0.2	QM
300	D	Window	Rgt	Sill	I	Wood	White	-0.1	QM
Interior Room 001 Bedroom 1									
009	-	Floor	Ctr		I	Wood	stain	-0.1	QM
004	A	Wall	Lft		I	Plaster	Beige	-0.6	QM
010	A	Window	Lft	Casing	I	Wood	White	0.0	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
011	A	Window	Lft	Stop	I	Wood	White	-0.3	QM
014	A	Window	Lft	Mullion	I	Wood	White	-0.1	QM
013	A	Window	Lft	Apron	I	Wood	White	-0.1	QM
012	A	Window	Lft	Sill	I	Wood	White	-0.3	QM
005	B	Wall	Lft		I	Plaster	Beige	-0.6	QM
006	C	Wall	Rgt		I	Plaster	Beige	-0.2	QM
029	C	Door	Ctr	N\A	I	Wood	White	-0.1	QM
026	C	Door	Rgt	Casing	I	Wood	White	0.1	QM
027	C	Door	Rgt	Jamb	I	Wood	White	0.0	QM
028	C	Door	Rgt	Stop	I	Wood	White	-0.4	QM
019	C	Closet	Ctr	Rod	I	Metal	White	0.0	QM
022	C	Closet	Ctr	Door Stop	I	Wood	stain	-0.3	QM
024	C	Closet	Ctr	Baseboard	P	Wood	White	-0.3	QM
023	C	Closet	Ctr	Door	I	Wood	White	-0.2	QM
020	C	Closet	Ctr	Door Casing	I	Wood	White	0.1	QM
025	C	Closet	Ctr	Floor	I	Wood	stain	-0.3	QM
021	C	Closet	Ctr	Door Jamb	P	Wood	White	0.0	QM
016	C	Closet	Ctr	Wall	I	Wood	White	-0.2	QM
018	C	Closet	Ctr	Shelf Sup.	I	Wood	White	-0.3	QM
017	C	Closet	Ctr	Shelf	I	Wood	White	-0.5	QM
015	C	Closet	Ctr	Ceiling	I	Plaster	White	-0.1	QM
007	D	Wall	Ctr		I	Plaster	Beige	-0.4	QM
008	D	Baseboard	Ctr		P	Wood	White	-0.4	QM
Comment:									
Vinyl windows									
Interior Room 002 Bathroom 1									
043	-	Floor	Ctr		I	Ceramic	White	-0.1	QM
030	-	Ceiling	Ctr		I	Plaster	White	-0.4	QM
031	A	Wall	Ctr		I	Plaster	green	0.0	QM
039	A	Door	Ctr	Casing	I	Wood	White	0.1	QM
040	A	Door	Ctr	Jamb	I	Wood	White	0.0	QM
041	A	Door	Ctr	Stop	I	Wood	White	-0.2	QM
042	A	Door	Ctr	N\A	I	Wood	White	-0.4	QM
032	B	Wall	Ctr		I	Plaster	green	-0.3	QM
035	B	Window	Ctr	Casing	I	Wood	White	-0.5	QM
036	B	Window	Ctr	Stop	I	Wood	White	-0.4	QM
038	B	Window	Ctr	Apron	I	Wood	White	0.1	QM
037	B	Window	Ctr	Sill	I	Wood	White	-0.1	QM
033	C	Wall	Lft		I	Plaster	green	-0.2	QM
305	C	Wall	Ctr		I	Ceramic	black	>9.9	QM
034	D	Wall	Rgt		I	Plaster	green	-0.6	QM
Interior Room 003 Hallway									
247	-	Attic Door	Ctr		I	Wood	White	0.2	QM
248	-	Attic Door	Ctr	Casing	I	Wood	White	-0.3	QM
051	-	Floor	Ctr		I	Wood	stain	-0.1	QM
044	-	Ceiling	Ctr		I	Plaster	White	-0.3	QM
045	A	Wall	Ctr		I	Plaster	White	-0.6	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
054	A	Door	Lft	Casing	I	Wood	White	0.0	QM
055	A	Door	Lft	N\A	I	Wood	White	-0.3	QM
056	A	Door	Lft	Jamb	P	Wood	White	-0.1	QM
057	A	Door	Lft	Stop	I	Wood	White	1.8	QM
065	A	Closet	Lft	Spice rack	I	Wood	White	-0.2	QM
066	A	Closet	Lft	Baseboard	P	Wood	White	0.0	QM
070	A	Closet	Lft	Door Stop	I	Wood	stain	0.0	QM
071	A	Closet	Lft	Door	I	Wood	stain	-0.4	QM
068	A	Closet	Lft	Door Casing	I	Wood	stain	-0.3	QM
067	A	Closet	Lft	Floor	P	Wood	stain	-0.4	QM
069	A	Closet	Lft	Door Jamb	I	Wood	stain	-0.1	QM
063	A	Closet	Lft	Shelf Sup.	I	Wood	White	-0.1	QM
064	A	Closet	Lft	Shelf	I	Wood	White	-0.1	QM
058	A	Closet	Lft	Ceiling	I	Plaster	White	-0.4	QM
059	A	Closet	Ctr	Wall	I	Plaster	White	-0.1	QM
046	B	Wall	Ctr		I	Plaster	White	-0.2	QM
060	B	Closet	Ctr	Wall	I	Plaster	White	-0.1	QM
047	C	Wall	Ctr		I	Plaster	White	-0.1	QM
052	C	Door	Ctr	Casing	I	Wood	White	0.0	QM
053	C	Door	Ctr	N\A	I	Wood	White	-0.4	QM
061	C	Closet	Rgt	Wall	I	Plaster	White	-0.3	QM
050	D	Bell	Ctr		P	Wood	White	-0.3	QM
048	D	Wall	Ctr		I	Plaster	White	-0.2	QM
049	D	Baseboard	Ctr		P	Wood	White	-0.1	QM
062	D	Closet	Rgt	Wall	I	Plaster	White	-0.5	QM
Interior Room 004 Bedroom 2									
078	-	Floor	Ctr		I	Wood	stain	-0.2	QM
072	-	Ceiling	Lft		I	Plaster	White	-0.6	QM
073	A	Wall	Lft		I	Plaster	White	-0.3	QM
095	A	Closet	Lft	Baseboard	I	Wood	White	-0.3	QM
099	A	Closet	Lft	Door	I	Wood	stain	0.0	QM
097	A	Closet	Lft	Door Casing	I	Wood	stain	0.0	QM
096	A	Closet	Lft	Floor	I	Wood	stain	0.0	QM
098	A	Closet	Lft	Door Jamb	I	Wood	stain	0.2	QM
092	A	Closet	Lft	Wall	I	Plaster	White	-0.1	QM
093	A	Closet	Lft	Shelf Sup.	I	Wood	White	0.3	QM
094	A	Closet	Lft	Shelf	I	Wood	White	0.0	QM
091	A	Closet	Lft	Ceiling	I	Plaster	White	-0.3	QM
079	B	Shelf	Rgt		I	Wood	White	-0.2	QM
080	B	Shelf	Rgt	Support	I	Wood	White	0.0	QM
081	B	Shelf	Rgt	Door	I	Wood	White	-0.3	QM
074	B	Wall	Lft		I	Plaster	White	-0.4	QM
082	B	Window	Lft	Casing	I	Wood	White	-0.1	QM
083	B	Window	Lft	Stop	I	Wood	White	0.0	QM
086	B	Window	Lft	Mullion	I	Wood	White	-0.1	QM
085	B	Window	Lft	Apron	I	Wood	White	0.0	QM
084	B	Window	Lft	Sill	I	Wood	White	-0.2	QM
075	C	Wall	Ctr		I	Plaster	White	-0.2	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
076	D	Wall	Ctr		I	Plaster	White	-0.2	QM
077	D	Baseboard	Ctr		I	Wood	White	0.0	QM
087	D	Door	Lft	Casing	I	Wood	White	0.2	QM
088	D	Door	Lft	Jamb	P	Wood	White	0.2	QM
089	D	Door	Lft	Stop	P	Wood	White	0.2	QM
090	D	Door	Lft	N\A	P	Wood	White	-0.1	QM
Interior Room 005 Bedroom 3									
106	-	Floor	Rgt		I	Wood	stain	-0.1	QM
100	-	Ceiling	Lft		I	Plaster	White	-0.6	QM
111	A	Shelf	Rgt	Casing	I	Wood	White	-0.3	QM
112	A	Shelf	Rgt		I	Wood	White	-0.3	QM
101	A	Wall	Lft		I	Plaster	White	-0.2	QM
102	B	Wall	Lft		I	Plaster	White	-0.3	QM
103	C	Wall	Rgt		I	Plaster	White	0.0	QM
107	C	Window	Rgt	Casing	I	Wood	White	0.0	QM
108	C	Window	Rgt	Stop	I	Wood	White	-0.2	QM
110	C	Window	Rgt	Apron	I	Wood	White	0.0	QM
109	C	Window	Rgt	Sill	I	Wood	White	-0.3	QM
104	D	Wall	Rgt		I	Plaster	White	0.0	QM
105	D	Baseboard	Rgt		I	Wood	White	0.1	QM
122	D	Door	Rgt	Casing	I	Wood	White	-0.6	QM
123	D	Door	Rgt	Jamb	P	Wood	White	-0.4	QM
124	D	Door	Rgt	Stop	I	Wood	White	-0.1	QM
120	D	Closet	Lft	Baseboard	I	Wood	White	-0.2	QM
115	D	Closet	Lft	Door	I	Wood	White	-0.1	QM
113	D	Closet	Lft	Door Casing	I	Wood	White	-0.5	QM
121	D	Closet	Lft	Floor	I	Wood	stain	-0.1	QM
114	D	Closet	Lft	Door Jamb	P	Wood	White	-0.4	QM
117	D	Closet	Lft	Wall	I	Plaster	White	-0.1	QM
118	D	Closet	Lft	Shelf Sup.	I	Wood	White	-0.3	QM
119	D	Closet	Lft	Shelf	I	Wood	White	-0.2	QM
116	D	Closet	Lft	Ceiling	I	Plaster	White	-0.1	QM
Interior Room 006 Bathroom 2									
133	-	Floor	Lft		I	Ceramic	Beige	-0.5	QM
125	-	Ceiling	Rgt		P	Plaster	White	-0.4	QM
132	A	Wall	L Lft		I	Ceramic	Beige	-0.5	QM
126	A	Wall	U Lft		I	Plaster	White	-0.4	QM
144	A	Door	Ctr	Casing	I	Wood	White	0.2	QM
145	A	Door	Ctr	Jamb	I	Wood	White	-0.2	QM
146	A	Door	Ctr	Stop	I	Wood	White	0.0	QM
147	A	Door	Ctr	N\A	I	Wood	White	-0.2	QM
127	B	Wall	U Ctr		I	Plaster	White	-0.3	QM
134	B	Baseboard	Ctr		P	Ceramic	Pink	-0.2	QM
130	C	Wall	Ctr		I	Ceramic	Beige	-0.1	QM
135	C	Window	Ctr	Casing	I	Wood	White	-0.1	QM
136	C	Window	Ctr	Stop	I	Wood	White	0.0	QM
137	C	Window	Ctr	Sill	P	Wood	White	-0.3	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
141	D	Cabinet	Ctr	Casing	I	Wood	White	-0.6	QM
142	D	Cabinet	Ctr	Shelf	I	Wood	White	-0.1	QM
143	D	Cabinet	Ctr	Door	I	Wood	White	-0.4	QM
138	D	Shelf	Rgt	Casing	I	Wood	White	-0.5	QM
139	D	Shelf	Rgt		I	Wood	White	-0.4	QM
140	D	Shelf	Rgt	Door	I	Wood	White	-0.1	QM
129	D	Wall	L Ctr		I	Ceramic	Beige	-0.3	QM
131	D	Wall	Rgt		I	Ceramic	Beige	0.0	QM
128	D	Wall	U Ctr		I	Plaster	White	-0.4	QM
Interior Room 007 Kitch/Livg									
154	-	Floor	Ctr		I	Wood	stain	-0.3	QM
148	-	Ceiling	Ctr		I	Dry wall	White	-0.2	QM
149	A	Wall	Ctr		I	Dry wall	Gray	-0.3	QM
153	A	Baseboard	Ctr		I	Wood	White	-0.1	QM
169	A	Door	Ctr	Casing	I	Wood	White	0.0	QM
170	A	Door	Ctr	Jamb	I	Wood	White	-0.2	QM
171	A	Door	Ctr	Transom	I	Wood	White	-0.3	QM
150	B	Wall	Ctr		I	Dry wall	Gray	-0.3	QM
166	B	Window	Rgt	Sash	I	Wood	White	0.0	QM
151	C	Wall	Lft		I	Dry wall	Gray	-0.1	QM
162	C	Window	Lft	Sash	I	Wood	White	-0.1	QM
163	C	Window	Lft	Sash	I	Wood	White	-0.2	QM
164	C	Window	Lft	Sash	I	Wood	White	-0.2	QM
165	C	Window	Lft	Sash	I	Wood	White	-0.1	QM
155	C	Window	Ctr	Mullion	I	Wood	White	-0.5	QM
156	C	Window	Ctr	Casing	I	Wood	White	-0.3	QM
157	C	Window	Ctr	Stop	I	Wood	White	-0.2	QM
158	C	Window	Ctr	Sash	I	Wood	White	-0.2	QM
160	C	Window	Ctr	Apron	I	Wood	White	-0.3	QM
159	C	Window	Ctr	Sill	I	Wood	White	0.0	QM
161	C	Window	Rgt	Sash	I	Wood	White	-0.2	QM
167	C	Door	Ctr	N\A	I	Wood	White	0.0	QM
168	C	Door	Ctr	Casing	I	Wood	White	-0.2	QM
152	D	Wall	Ctr		I	Dry wall	Gray	0.0	QM
Interior Room 008 Bathroom 3									
177	-	Floor	Ctr		I	Wood	stain	-0.1	QM
172	-	Ceiling	Ctr		I	Dry wall	White	-0.2	QM
173	A	Wall	Ctr		I	Dry wall	Gray	-0.1	QM
185	A	Door	Ctr	Casing	I	Wood	White	-0.1	QM
186	A	Door	Ctr	Jamb	I	Wood	White	-0.4	QM
187	A	Door	Ctr	Stop	I	Wood	White	0.1	QM
188	A	Door	Ctr	N\A	I	Wood	White	-0.3	QM
178	B	Cabinet	Ctr	Door	I	Wood	blue	-0.3	QM
179	B	Cabinet	Ctr	Shelf	I	Wood	stain	-0.3	QM
189	B	Wall	Ctr		I	Dry wall	Gray	-0.3	QM
174	C	Wall	Ctr		I	Dry wall	Gray	-0.1	QM
176	C	Baseboard	Ctr		I	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
175	D	Wall	Ctr		I	Dry wall	Gray	-0.5	QM
180	D	Window	Ctr	Casing	I	Wood	White	0.0	QM
181	D	Window	Ctr	Stop	I	Wood	White	-0.2	QM
182	D	Window	Ctr	Sash	I	Wood	White	0.0	QM
184	D	Window	Ctr	Apron	I	Wood	White	-0.1	QM
183	D	Window	Ctr	Sill	I	Wood	White	-0.1	QM
Comment:									
B wall is tile									
Interior Room 009 Side Entry									
190	-	Ceiling	Ctr		I	Dry wall	White	0.0	QM
191	A	Wall	Ctr		I	Dry wall	Gray	-0.4	QM
202	A	Door	Rgt	Casing	I	Wood	White	0.0	QM
203	A	Door	Rgt	N\A	I	Wood	White	-0.2	QM
204	A	Door	Rgt	Jamb	I	Wood	White	0.0	QM
205	A	Door	Rgt	Stop	I	Wood	White	-0.1	QM
206	A	Door	Rgt	Door Thresh	I	Wood	stain	-0.3	QM
192	B	Wall	Ctr		I	Dry wall	Gray	0.0	QM
209	B	Closet	Rgt	Shelf Casin	I	Wood	White	-0.1	QM
213	B	Closet	Rgt	Door Stop	I	Wood	White	-0.3	QM
215	B	Closet	Rgt	Baseboard	I	Wood	White	0.2	QM
214	B	Closet	Rgt	Door	I	Wood	White	-0.4	QM
211	B	Closet	Rgt	Door Casing	I	Wood	White	-0.1	QM
216	B	Closet	Rgt	Floor	I	Wood	stain	-0.3	QM
212	B	Closet	Rgt	Door Jamb	I	Wood	White	-0.2	QM
208	B	Closet	Rgt	Wall	I	Dry wall	White	-0.3	QM
210	B	Closet	Rgt	Shelf	I	Wood	White	-0.3	QM
207	B	Closet	Rgt	Ceiling	I	Dry wall	White	-0.3	QM
193	C	Wall	Ctr		I	Dry wall	Gray	-0.5	QM
195	C	Baseboard	Ctr		I	Wood	White	-0.3	QM
196	C	Floor	Ctr		I	Wood	stain	-0.3	QM
194	D	Wall	Ctr		I	Dry wall	Gray	-0.3	QM
197	D	Window	Ctr	Casing	I	Wood	White	0.0	QM
199	D	Window	Ctr	Stop	I	Wood	White	-0.3	QM
198	D	Window	Ctr	Sash	I	Wood	White	-0.1	QM
201	D	Window	Ctr	Apron	I	Wood	White	-0.1	QM
200	D	Window	Ctr	Sill	I	Wood	White	0.0	QM
Interior Room 010 Living Rm									
223	-	Floor	Ctr		I	Wood	stain	0.0	QM
217	-	Ceiling	Rgt		I	Dry wall	White	-0.4	QM
218	A	Wall	Rgt		I	Dry wall	White	-0.5	QM
245	A	Window	Lft	Sash	I	Wood	White	0.0	QM
244	A	Window	Ctr	Sash	I	Wood	White	0.2	QM
239	A	Window	Rgt	Casing	I	Wood	White	-0.2	QM
240	A	Window	Rgt	Stop	I	Wood	White	-0.2	QM
243	A	Window	Rgt	Sash	I	Wood	White	-0.4	QM
242	A	Window	Rgt	Apron	I	Wood	White	-0.2	QM
241	A	Window	Rgt	Sill	I	Wood	White	-0.2	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
219	B	Wall	Ctr		I	Dry wall	White	0.0	QM
224	B	Door	Lft	Casing	I	Wood	White	0.0	QM
225	B	Door	Lft	Jamb	I	Wood	White	-0.1	QM
220	C	Wall	Ctr		I	Dry wall	White	-0.4	QM
222	C	Baseboard	Ctr		I	Wood	White	0.0	QM
228	C	Door	Lft	Jamb	I	Wood	White	-0.4	QM
226	C	Door	Ctr	Casing	I	Wood	White	-0.3	QM
227	C	Door	Ctr	Transom	I	Wood	White	-0.1	QM
229	D	Shelf	Lft		I	Wood	White	-0.1	QM
230	D	Shelf	Lft	Support	I	Wood	White	-0.1	QM
231	D	Shelf	Lft	Casing	I	Wood	White	-0.2	QM
233	D	Mantle	Ctr		I	Wood	White	0.0	QM
234	D	Mantle	Ctr	Apron	I	Wood	White	0.1	QM
235	D	Fire place	Ctr		I	Brick	White	-0.3	QM
236	D	Fire place	Ctr		I	Brick	Gray	-0.2	QM
237	D	Fire place	Ctr	lintel	I	Steel	Gray	-0.1	QM
238	D	Fire place	Ctr	Base	I	Concrete	Gray	0.2	QM
246	D	Crown moldin	Ctr		I	Wood	White	-0.1	QM
232	D	Wall	Ctr		I	Wood	White	-0.1	QM
221	D	Wall	Rgt		I	Dry wall	White	-0.5	QM
Interior Room 011 Garage									
271	-	Attic Door	Rgt		I	Wood	White	-0.3	QM
272	-	Attic Door	Rgt	Casing	I	Wood	White	0.0	QM
250	-	Ceiling	Lft		I	Dry wall	White	-0.4	QM
253	A	Wall	Rgt		I	Dry wall	White	-0.3	QM
266	A	Window	Rgt	Casing	I	Wood	White	0.0	QM
268	A	Window	Rgt	Stop	I	Wood	White	-0.3	QM
267	A	Window	Rgt	Sash	I	Wood	White	-0.2	QM
270	A	Window	Rgt	Apron	I	Wood	White	-0.4	QM
269	A	Window	Rgt	Sill	I	Wood	White	0.0	QM
255	A	Door	Lft	Casing	I	Wood	White	-0.1	QM
256	A	Door	Lft	Stop	I	Wood	White	-0.1	QM
257	A	Door	Lft	N\A	I	Wood	White	-0.4	QM
258	A	Door	Lft	Kick plate	I	Wood	White	-0.5	QM
259	A	Stairs	Lft	Treads	I	Wood	stain	0.0	QM
260	A	Stairs	Lft	Risers	I	Wood	White	-0.4	QM
254	B	Wall	Lft		I	Dry wall	White	0.0	QM
263	B	Closet	Rgt	Door Stop	I	Wood	White	0.0	QM
265	B	Closet	Rgt	Plywood	I	Plywood	black	-0.1	QM
264	B	Closet	Rgt	Door	I	Wood	White	-0.3	QM
261	B	Closet	Rgt	Door Casing	I	Wood	White	-0.2	QM
262	B	Closet	Rgt	Door Jamb	I	Wood	White	0.0	QM
251	C	Wall	Ctr		I	Dry wall	White	-0.4	QM
252	D	Wall	Ctr		I	Dry wall	White	0.0	QM
Interior Room 012 Attic									
274	A	Window	Lft	Stop	I	Wood	White	-0.3	QM
273	A	Window	Lft	Sash	I	Wood	White	-0.5	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
276	D	Window	Ctr	Stop	I	Wood	White	-0.3	QM
275	D	Window	Ctr	Sash	I	Wood	White	-0.1	QM
Calibration Readings									
001								1.1	TC
002								1.1	TC
003								1.0	TC
306								1.1	TC
307								1.1	TC
308								1.2	TC
---- End of Readings ----									

APPENDIX 4

LEAD DUST AND SOIL SAMPLE LABORATORY REPORTS

OrderID: 031432237

031432237

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:** AH

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 CSA - Environmental Review **Project #:** 14-028-12-14-29

Project Location: 10 Farm Creek Rd **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) 8/19 HH 01 ... 8/19 HH 04 **TOTAL SAMPLE #** 04

Relinquished:		**Date:** 8/19/14	**Time:** PM
Received:		**Date:** 8-19-14	**Time:** PM
Relinquished:		**Date:** 8-19-14	**Time:** PM
Received:	L. Coleman	**Date:** 8/20/14	**Time:** 10:16

OrderID: 031432237 031432237

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.)
8/19 HH 01	Field Blank	—		—
02	Field Blank	—		—
03	Floor @ Entry	Living Rm		144
04	Floor @ Entry "C"	Kitchen		144

L. Coleman 8/21/14 10:16 PM

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:	031432237
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:	08/21/14 10:16 AM
Collected:	8/19/2014

Project: **14-028.12T24/ CSA - ENVIRONMENTAL REVIEW/ 10 FARM CREEK RD/ CT**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
8/19 HH 01	*031432237-0001*	8/19/2014	8/21/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				
8/19 HH 02	*031432237-0002*	8/19/2014	8/21/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				
8/19 HH 03	*031432237-0003*	8/19/2014	8/21/2014	144 in²	<10 µg/ft²
	Site: FLOOR @ ENTRY Desc: LIVING RM				
8/19 HH 04	*031432237-0004*	8/19/2014	8/21/2014	144 in²	<10 µg/ft²
	Site: FLOOR @ ENTRY "C" Desc: KITCHEN				

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 08/21/2014 20:51:38

OrderID: 031432229 031432229

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:** AH

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; dwynne@eagleenviro.com; rsloch@eagleenviro.com

Project Name OSHA - Environ. Review **Project #:** 14-028.12 TH

Project Location: 10 Farm Creek Rd Soil **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 (GARB) 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): MH-8-19-SOIL 1 MH-8-19-SOIL 3 **TOTAL SAMPLE #:** 03

Relinquished:		**Date:** 8/19/14	**Time:** PM	
Received:		**Date:** 8/19/14	**Time:** PM	
Relinquished:		**Date:** 8/19/14	**Time:** PM	
Received:	L. Coleman	**Date:** 8/21/14	**Time:** 10:10 am	

OrderID: 031432229

031432229

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

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
HH-8-19-SO-1	Bare Soil	Front Step "A"		48
HH-8-19-SO-2	↓	"C" AC - Left		54
HH-8-19-SO-3	↓	"C" AC - Drip right		60

h. Coleman 8/24/14 10:16Am

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:	031432229
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:	08/21/14 10:16 AM
Collected:	8/19/2014

Project: **14-028.12T4/ CSA ENVIRON REVIEW/ 10 FARM CREEK RD/ SOIL/ CT**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
HH-8-19- SOIL 1	*031432229-0001*	8/19/2014	8/22/2014	<40 mg/Kg
	Site: BARE SOIL FRONT STEP "A"			
HH-8-19- SOIL 2	*031432229-0002*	8/19/2014	8/22/2014	<40 mg/Kg
	Site: BARE SOIL "C" KAC - LEFT			
HH-8-19- SOIL 3	*031432229-0003*	8/19/2014	8/22/2014	<40 mg/Kg
	Site: BARE SOIL "C" KAC - DRIP RIGHT			

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 08/22/2014 10:03:32

APPENDIX 5

MOLD INSPECTION FORMS

EAGLE Environmental, Inc.

MOLD MOISTURE READING FORM

Eagle Project No: 14-028.12T24 Date: 8-19-14 Inspector: AC

Facility Address: 10 Farm Creek Rd, Norwalk

MOISTURE MODE

ROOM	COMPONENT	SUBSTRATE	REL. SURFACE MOISTURE	DRY	AT RISK	WET
~~Basement~~ Crawlspace	Joist	5.8	5.8	✓		
↓	Joist	4.4	4.4	✓		
bathroom 2	Wall	P/G steel	2.8	✓		
	Ceiling	drywall	3.0	✓		
Attic	beam	wood	2.5	✓		
"C"	clapboard	wood	2.6	✓		
FAC.	clapboard	fiberwood	2.4	✓		

HYGROMETER MODE

TIME	ROOM	% RELATIVE HUMIDITY	AIR TEMP.	DEW POINT TEMP.
11:45	Crawlspace	60.1	73.8	59.4
~~12:55 PM~~				
12:05	bath 2	54.5	74.2	56.1
12:40	Attic	54.2	75.2	57.3
3:05	"C" FAC.	55.8	77	57.2

EAGLE Environmental, Inc.

MOLD OBSERVATION FORM

Eagle Project No: 14-028.1224 Date: 8-19-14 Inspector: AC

Facility Address: 10 Falm Creek rd

Location	Observation	Sample Number
Crawl Space	No visible signs of water damage in crawlspace.	
Bathroom 2	No mold spores observed. Ceramic wall tile is cracking. Plaster walls are intact and ceiling.	
Attic	The attic was inspected and no signs of water intrusion on wood beams.	

EAGLE Environmental, Inc.

MOLD CONDENSATOR FORM

Eagle Project No: 14-028.12T24 Date: 8/19/14 Inspector: HH/AE

Facility Address: 10 Farm Creek Rd, Norwalk

CONDENSATOR MODE							
ROOM	COM-PONENT	SUB-STRATE	% REL. HUMIDITY	AIR TEMP.	DEW POINT TEMP.	SURFACE TEMP.	TEMP DIFF.
Basement Crawl	Joist	Wood	64.2	72.9	60.8	72.3	0.6
Bathroom	Wall	Drywall	53.4	74.7	56.1	72.5	2.2
	Ceiling	drywall	52.5	74.2	56.4	72.1	2.1
Attic	beam	Wood	56.4	75.2	57.3	74.2	1
"C"	Clapboard	wood	56.2	77.2	57.2	75.2	2
FAC	Clapboard	Fiber wood	56.3	77.8	57.2	75.4	2.4

APPENDIX 6

ABATEMENT AND CONSULTING COST ESTIMATE

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES
APPLICATION NO. 1450
10 FARM CREEK ROAD
NORWALK, CONNECTICUT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
PATCH CEMENT AND CAULK	1	$ 500.00 EACH	$ 500.00
SUBTOTAL			$ 500.00
ASBESTOS ABATEMENT CONTINGENCY			$ 50.00
ASBESTOS TOTAL			**$ 550.00**

LEAD BASED PAINT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD-BASED PAINT CONTINGENCY	1	$ 2,900.00 EACH	$ 2,900.00
SUBTOTAL			$ 2,900.00
LEAD RENOVATION CONTINGENCY			$ 580.00
LEAD RENOVATION TOTAL			**$ 3,480.00**

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL **$ 4,030.00**

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
HAZARDOUS MATERIALS CONSULTING CONTIN.	1	$1,000.00 EACH	$ 1,000.00
SUBTOTAL			$ 1,000.00
CONSULTING CONTINGENCY			$ 100.00
CONSULTING TOTAL			**$ 1,100.00**

GRAND TOTAL **$ 5,130.00**

APPENDIX 7

EAGLE ENVIRONMENTAL, INC. LICENSES

AND LABORATORY CERTIFICATES

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. Eldent, 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

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

LEAD CONSULTANT CONTRACTOR

EAGLE ENVIRONMENTAL INC.

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

SIGNATURE

COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Hannah Hintz
45 Frederick Street, Bristol, CT 06010
000-00-0583

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course
conducted by
Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor

October 2, 2013
Date of Course

October 2, 2013
Exam Date

CTLIRAR-354
Certificate Number

October 2, 2014
Expiration Date

Gregory J. Morsch
Training Manager

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

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT,
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A

LEAD INSPECTOR RISK ASSESSOR

HANNAH E HINTZ

CERTIFICATION NO.
002244
CURRENT THROUGH
06/30/14
VALIDATION NO.
03-623637

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

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

KRISTEN P LILJEHULT

SIGNATURE

COMMISSIONER