EAGLE Environmental, Inc.

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

February 3, 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
39 Attawan Avenue
Niantic, Connecticut
Application #1939
Eagle Project No. 14-028.12T10

Dear Mr. Holmes:

Please find the attached Environmental Assessment Report conducted at 39 Attawan Avenue located in Niantic, Connecticut (Site). The environmental assessment was originally 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 initial assessment focused only on those areas of the building that are scheduled for renovation/repair work. Additional testing was performed per the request of the Architects and Department of Housing (DOH) to support the demolition of the building. The initial 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 18, June 3 and November 5, 2014, Eagle Environmental, Inc. conducted an environmental assessment and pre-demolition survey for the site building located at 39 Attawan Avenue in Niantic, Connecticut. The scope of the environmental assessment and pre-demolition survey included an inspection for asbestos-containing materials, a lead-based paint screen and TCLP (Toxic Characteristic Leachate Procedure) sample and a visual inspection for microbial contamination.

1.1 Inspection Area Description

The inspection was performed on suspect materials throughout the building as it is being demolished. The lead-based paint screen was performed throughout the building to support lead waste characterization testing.

2. SCOPE OF INSPECTION

2.1 Asbestos Containing Materials

The asbestos inspection was conducted in order to satisfy the United States Environmental Protection Agency (USEPA) National Emission Standard for Hazardous Air Pollutants Act (NESHAP) as amended November 20, 1990. The USEPA NESHAP final rule requires the identification and removal of all regulated ACM in a building prior to demolition.

The asbestos inspection was performed by Andrew Carnevale and Hannah Hintz; State of Connecticut licensed Asbestos Inspectors (license #000850 and 000816 respectively).

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 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 lead-based paint hazard screen was performed by Hannah Hintz and Kristen Liljehult State of Connecticut licensed Lead Inspectors/Risk Assessors (license #002244 and 002206 respectively).

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.

2.2.1 Lead Waste Characterization

The State of Connecticut Department of Energy and Environmental Protection (DEEP) regulates the disposal of hazardous waste. The required analytical test to determine a materials waste classification is the Toxicity Characteristic Leachate Procedure, or TCLP (Regulation of State DEEP 22a-449© - 101 (a) (1), incorporating 40 CFR 262.24). Eagle Environmental, Inc. collected samples of building materials for lead waste characterization.

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 in support of building demolition. Semi-destructive testing techniques were utilized during the inspection process. This included removing small pieces of suspect materials for analysis (bulk sampling). 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 39 Attawan Avenue, Niantic, 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 39 Attawan Avenue, Niantic, 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 throughout the building.

Due to the level of proposed Federal Funding for this project, the lead-based paint screen included testing surfaces where defective paint or surface coatings were identified. A visual inspection was performed to evaluate the condition of surface coating associated with the building. Where surface coatings were defective (peeling, chipping, flaking, etc.), paint testing was performed. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" sides following in a clockwise order.

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

For the purpose of this report, lead-based paint is defined as surface coatings that contain ≥1.0 mg/cm^2 of lead by XRF.

In addition to XRF testing, dust samples are collected at the time of inspection if defective lead-based paint is identified. The exterior grounds are evaluated as well and if bare areas of soil are identified, soil samples are collected. Any dust or soil hazards identified are incorporated into the Lead-Based Paint Hazard Reduction or Abatement Plan.

3.3 Lead Waste Characterization

Lead-contaminated debris, not contaminated with other hazardous materials, is classified either as hazardous lead waste or as non-hazardous solid waste. The required analytical test to determine which of these classifications is appropriate for a given quantity of waste is the Toxicity Characteristic Leachate Procedure, or TCLP (Regulation of State DEP 22a-449© - 101 (a) (1), incorporating 40 CFR 262.24).

The TCLP test subjects a 100 gram sample of waste material to a simulated landfill leaching condition, and assesses the ability of the sample to leach out lead into the environment. The waste is classified as hazardous lead waste if the TCLP sample result is greater than 5.0 mg/l of lead. The waste is classified as non-hazardous solid waste if the TCLP sample result is less than 5.0 mg/l of lead.

There are two (2) primary approaches for TCLP sampling. Both methods utilize the data generated during the lead screen to determine which building materials contain lead in paint coatings and what percentage of the waste stream will consist of the leaded materials. The two (2) basic approaches are described below.

3.3.1 Screen, Sample, and Segregate Method

The Screen, Sample, and Segregate method of TCLP sampling is conducted in accordance with the State of Connecticut Department of Environmental Protection Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries. This method entails screening the building components scheduled to be removed with an XRF lead paint analyzer. Components that are determined to be lead containing are sampled and

analyzed by TCLP based on their contribution into the waste stream. The waste stream is made up of those building components that will be removed from the structure as part of the renovation or demolition process. It is very important to accurately identify the waste stream in order for the TCLP sample to be truly representative.

The TCLP sample consists of the building materials that contain lead. The building materials are carefully removed at the site using coring devices or by saw cutting. The building materials are then placed directly into polyethylene zip lock bags for transmission to the laboratory.

3.3.2 Composite Sample and Demolish Method

The Composite Sample and Demolish Method of TCLP sampling is conducted in accordance with the State of Connecticut Department of Environmental Protection Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries. This method utilizes composite samples to assess the lead content of the entire quantity of debris to be removed. This sampling method is best utilized for whole building demolitions where the quantity of non-lead debris is expected to be much greater than that of the leaded debris. The first step in the sampling process requires the inspector to identify the potential waste stream of the structure to be demolished. The waste stream is made up of those building components that will be disposed of once the structure is demolished. The inspector calculates the mass by weight of each group of building components within the building (i.e. studs, framing, sheathing, siding, doors, windows, etc.). The lead testing results enables the inspector to determine the percentages of components, within each group, that contain lead. With this information, the inspector can than calculate the percent by weight contribution of each components contribution into the waste stream. This takes into account the ratio of leaded components verse non-leaded components within each group.

The actual sampling is performed by collecting samples of each building component. The components are then mixed together in proportion to their percent by weight of the total quantity of debris to be removed.

This study utilized the Composite Sample and Demolish Method to characterize the primary waste stream identified during the inspection.

3.4 Radon Testing

The site building is scheduled to be demolished; therefore, radon testing was not performed for this site building.

3.5 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 forty-eight (48) bulk samples of suspect ACM were collected. Of the forty-eight (48) bulk samples collected, forty-five (45) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

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.

Asbestos containing materials were identified on the 2nd floor bathroom 12"x12" self adhesive white floor tiles, the white caulk at the storm window/wood casings and the black caulk flashing cement under the metal flashing.

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 demolition. 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 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-hazard screen report must be provided to residence within fifteen (15) days of the evaluation. A total of one hundred nineteen (119) XRF readings were collected during the lead-hazard screen of the building. From the one hundred nineteen (119) readings, fifty (50) were found to contain toxic levels of lead-based paint.

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

- The majority of the Sun Room (Enclosed front porch) painted wood components
- Various original wood window systems
- Various door and door trim components
- Exterior wood clapboard facades (exposed and under vinyl siding) and window trim components

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

This residence is considered target housing by the USEPA. All lead-hazard remediation work shall be performed compliance with the USEPA Renovation, Remodeling and Painting (RRP) Rule as prescribed by 40 CFR Part 745.80 Subpart E. Including USEPA RRP Firm Certification, USEPA RRP Renovator Certification, Disclosure and Notification, Placement of Warning Signs, Lead-Safe Work Practice, Cleaning and Post Remediation Lead Dust Clearance by an approved USEPA method.

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

4.2.1 Lead Waste Characterization

One (1) composite TCLP sample was collected and prepared for waste characterization purposes. The building components that were identified within the waste stream included solid wood with and without coatings of lead-based paint, sheetrock without coatings of lead-based paint, window glass and asphalt roofing shingles. Detailed computations estimating the contributions of each of these components to the total waste stream are presented in Appendix 5.

The result of the TCLP sample representative of the waste stream was 12 mg/L characterizing the waste stream as hazardous lead waste.

In order to keep disposal costs down, Eagle recommends removing the wood clapboard siding and segregating it for disposal as hazardous lead waste. Another TCLP sample must be performed on the remaining structure to determine if it may be disposed of as general construction debris.

4.2.2 Dust Hazards

The building is scheduled to be demolished; therefore, dust samples were not required.

4.2.3 Soil Hazards

No soil samples were collected at the time of inspection as there were no bare areas of soil identified. The owner may maintain the ground cover in its current condition.

4.3 Radon

Radon testing was not performed at this Site since the building scheduled to be demolished.

4.4 Mold

The visual microbial inspection observed no evidence of water intrusion, damage or microbial growth. The mold inspection forms are provided in Appendix 7.

5. COST ESTIMATES

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

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

The cost estimates are provided in Appendix 8.

TABLE I

ASBESTOS CONTAINING MATERIALS SUMMARY TABLE

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
2nd Floor Bath	12"x12" self adhesive white floor tiles	11-5 HH 03	MISC	2% Chrys			YES	60 SF	NF
		11-5 HH 04							
Façade C, D	White caulk at storm window/wood casing	11-5 HH 07	MISC	8% Anth			YES	4 each @ 13 LF	NF
		11-5 HH 08							
Lower Roof	Black caulk / flashing cement under metal flashing	11-5 HH 19	MISC	8% Chrys			YES	40 LF	NF
		11-5 HH 20							

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
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Crawl Space	Cement panel	4-18-AC-01	MISC	NAD			NO
		4-18-AC-02		NAD			
Kitchen, Living Room	Sheetrock	4-18-AC-05	MISC	NAD			NO
		4-18-AC-06		NAD			
Kitchen	Joint compound	4-18-AC-07	MISC	NAD			NO
		4-18-AC-08		NAD			
	Sheetrock/joint compound composite	4-18-AC-09	MISC	NAD			NO
		4-18-AC-10		NAD			
	12"x12" Self adhesive white floor tiles	11-5 HH 01	MISC	NAD			NO
		11-5 HH 02		NAD			
	Seating at backsplash	11-5 HH 25	MISC	NAD			NO
		11-5 HH 26		NAD			
	Joint compound at backsplash	11-5 HH 27	MISC	NAD			NO
		11-5 HH 28		NAD			
Living Room	Residual adhesive on wall	4-18-AC-11	MISC	NAD			NO
		4-18-AC-12		NAD			
Bedroom 3	Batting insulation paper	4-18-AC-13	MISC	NAD			NO
		4-18-AC-14		NAD			
Façade B	Wood window glazing compound	4-18-AC-15	MISC	NAD			NO
		4-18-AC-16		NAD			
Fac B, D	Break away panels	11-5 HH 05	MISC	NAD			NO
		11-5 HH 06		NAD			
Fac C	Paper under siding	4-18-AC-03	MISC	NAD			NO
		4-18-AC-04		NAD			
Main Roof	Tar paper	11-5 HH 09	MISC	NAD			NO
		11-5 HH 10		NAD			

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NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Lower Roof	Black asphalt roof shingle top layer	11-5 HH 11	MISC	NAD			NO
		11-5 HH 12		NAD			
	Red and white asphalt shingle bottom layer	11-5 HH 13	MISC	NAD			NO
		11-5 HH 14		NAD			
	Asphalt rolled roofing at flashing	11-5 HH 15	MISC	NAD			NO
		11-5 HH 16		NAD			
	Black caulk surrounding asphalt rolled roofing	11-5 HH 17	MISC	NAD			NO
		11-5 HH 18		NAD			
	Black flashing tape at metal flashing	11-5 HH 21	MISC	NAD			NO
		11-5 HH 22		NAD			
	Clear caulk at smoke vent	11-5 HH 23	MISC	NAD			NO
		11-5 HH 24		NAD			
Porch Roof	Black asphalt shingles	4-18-AC-17	MISC	NAD			NO
		4-18-AC-18		NAD			
Porch Roof	Bottom layer shingle	4-18-AC-19	MISC	NAD			NO
		4-18-AC-20		NAD			

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APPENDIX 1

FLOOR PLANS

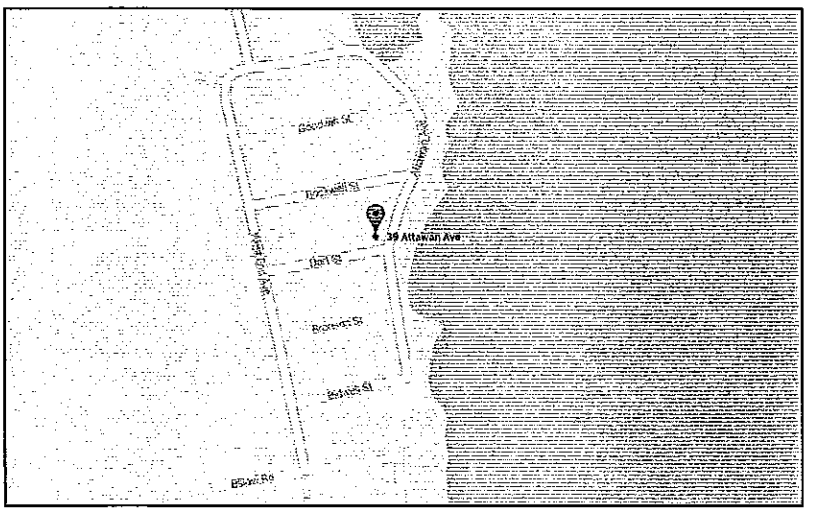
CAPITAL STUDIO ARCHITECTS

39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT

EAGLE PROJECT NUMBER: 14-028.12T10

INDEX OF DRAWINGS

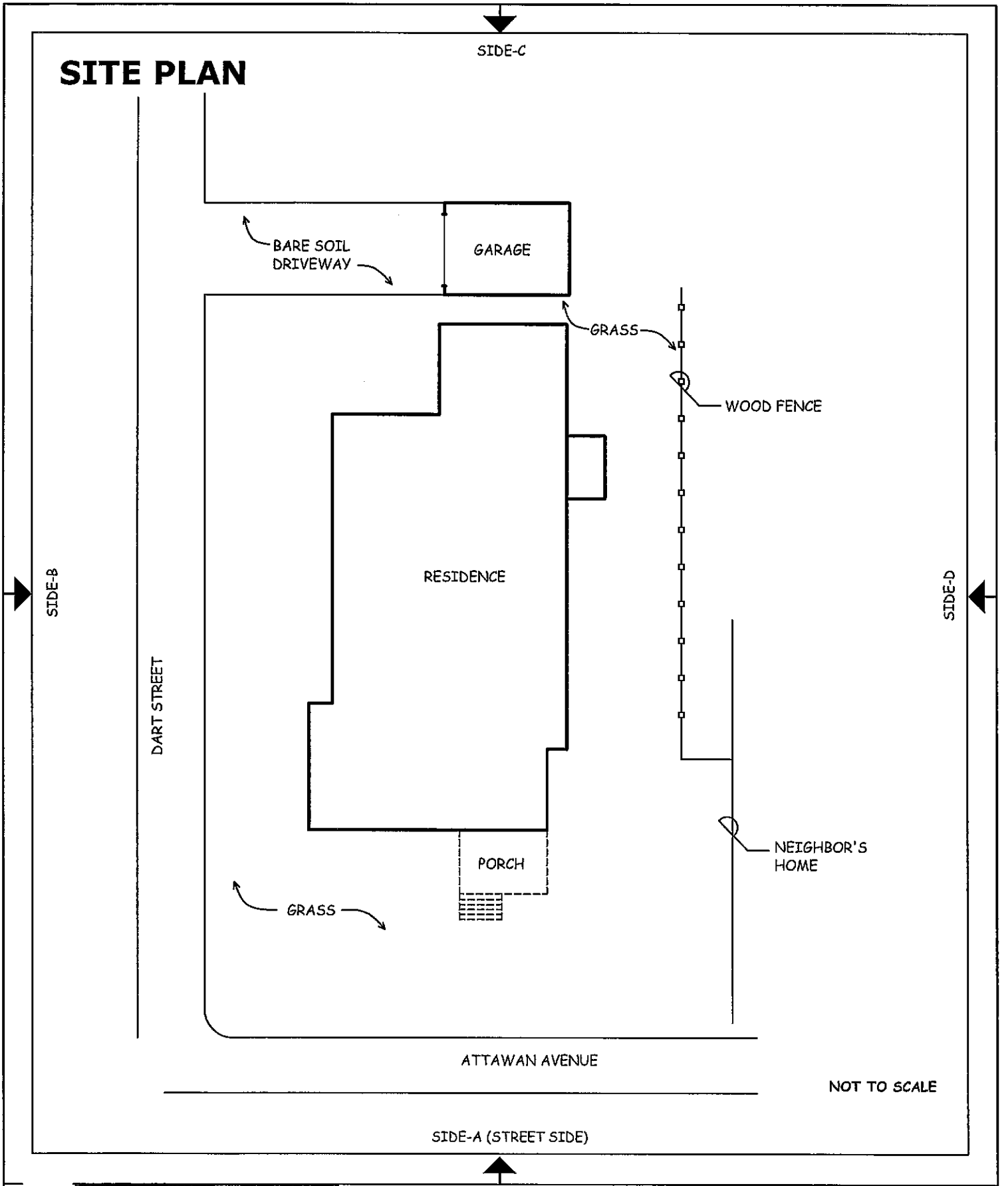
LOCATION MAP



FEBRUARY 3, 2015

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

SITE PLAN



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

DATE: 02/03/2015
PROJECT NO.: 14-028.12-T10
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT
SITE PLAN

SHEET NO.
SP-1
SHEET 1 OF 3

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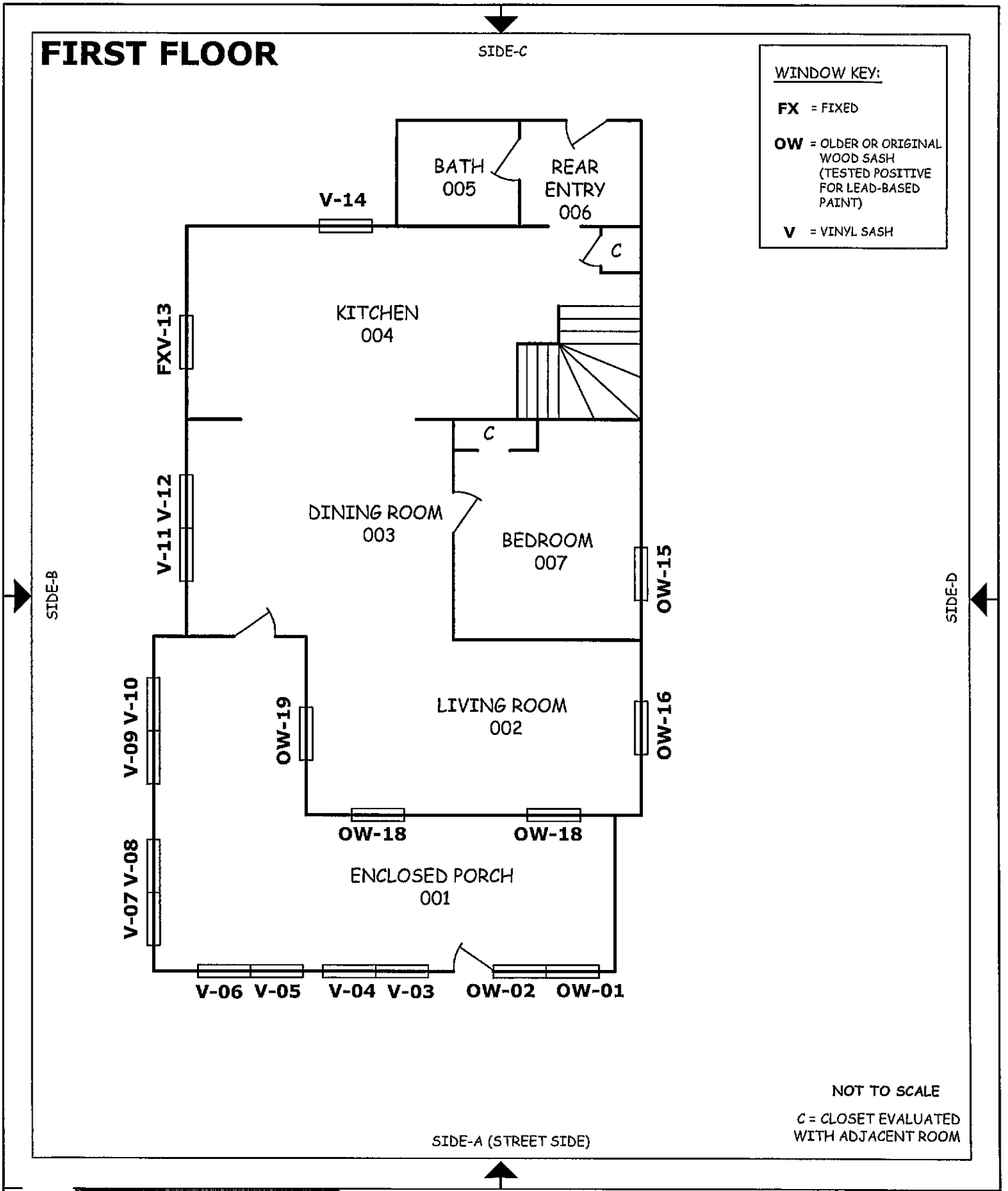
FIRST FLOOR



EAGLE Environmental, Inc.

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

DATE: 02/03/2015
PROJECT NO.: 14-028.12-T10
DRAWN BY: VB,
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT
FIRST FLOOR PLAN

SHEET NO.

FP-1

\\eaglesvr\public\2014 files\2014 autocad\capital studio architects\39 attawan avenue\inspection\cad\39 attawan avenue.dwg

SECOND FLOOR

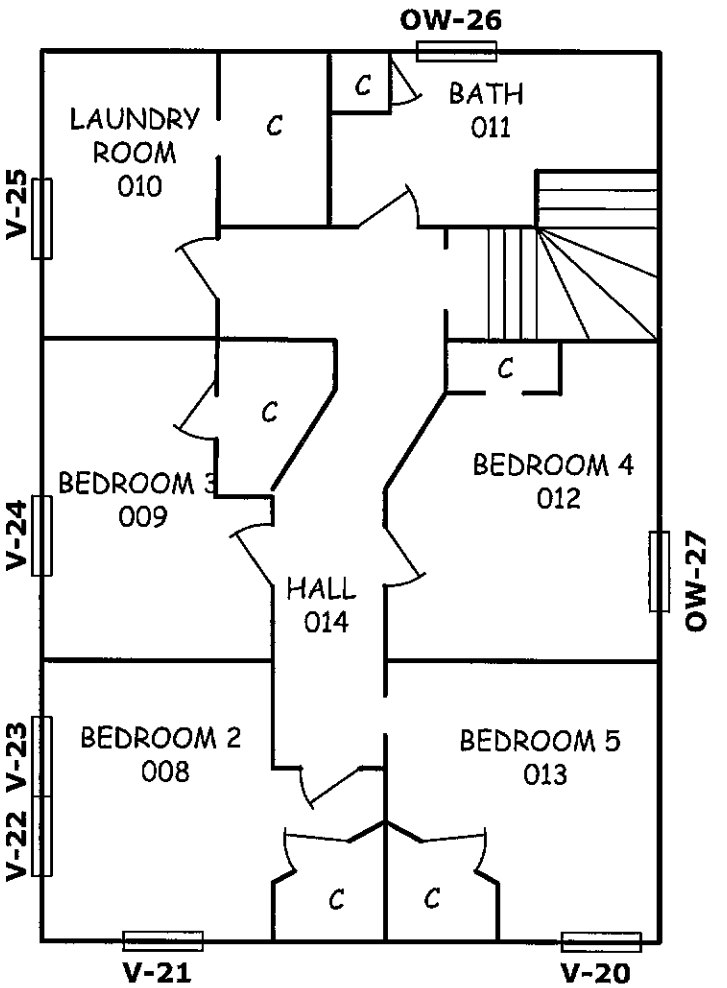
SIDE-C

WINDOW KEY:

FX = FIXED

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

V = VINYL SASH



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

DATE: 02/03/2015
PROJECT NO.: 14-028.12-T10
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT
SECOND FLOOR PLAN

SHEET NO.

FP-2

SHEET 3 OF 3

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APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

OrderID: 031442890

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

Project Name CSA-SSS **Project #:** 14-028.12T10

Project Location: 39 Attawan Avenue, Niantic **Project State (US):** CT

TURNAROUND TIME

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

SAMPLE MATRIX

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

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☒ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420☐ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010☐ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

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

MICROBIAL ANALYSIS

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

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

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

EMSL MANHATTAN LAB RECEIVED NOV -7 AM 10:11

031442890

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

Client Sample # (S)	11-5-HH-01	11-5-HH-28	TOTAL SAMPLE #	25	28
Relinquished:	HANNAH HINTZ	Date: 11-5-14	Time:	PM	
Received:	RENEE SIOCH	Date: 11-5-14	Time:	PM	
Relinquished:	RENEE SIOCH	Date: 11-5-14	Time:	PM	
Received:		Date: 11/7/14	Time:	10:11 am	

11/7/14 10:10 am

FX 7900 8443 3850

Hennya 11/8 7:44 AM

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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

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
11-5-HH-01	12" X 12" Self-adhesive white floor tile	Kitchen		NAD
11-5-HH-02	12" X 12" Self-adhesive white floor tile	Kitchen		NAD
11-5-HH-03	12" X 12" Self-adhesive pattern floor tile	2dFlBath		2% Chrys
11-5-HH-04	12" X 12" Self-adhesive pattern floor tile	2dFlBath		DNA
11-5-HH-05	Break away panels	Ext. D		NAD
11-5-HH-06	Break away panels	Ext. B		NAD
11-5-HH-07	White caulk at storm window/woodcasing	Ext. D		2% Anth
11-5-HH-08	White caulk at storm window/woodcasing	Ext. D		DNA
11-5-HH-09	Tar paper	Main Roof		NAD
11-5-HH-10	Tar paper	Main Roof		
11-5-HH-11	Black asphalt roof shingle (top layer)	LowerRoof		
11-5-HH-12	Black asphalt roof shingle (top layer)	LowerRoof		
11-5-HH-13	Red & white asphalt shingle (bottom layer)	LowerRoof		
11-5-HH-14	Red & white asphalt shingle (bottom layer)	LowerRoof		
11-5-HH-15	Asphalt rolled roofing at flashing	LowerRoof		
11-5-HH-16	Asphalt rolled roofing at flashing	LowerRoof		
11-5-HH-17	Black caulk surrounding asphalt rolled roofing	LowerRoof		
11-5-HH-18	Black caulk surrounding asphalt rolled roofing	LowerRoof		
11-5-HH-19	Black flashing cement under metal flashing	LowerRoof		2% Chrys
11-5-HH-20	Black flashing cement under metal flashing	LowerRoof		DNA
11-5-HH-21	Black flashing tape at metal flashing	LowerRoof		NAD
11-5-HH-22	Black flashing tape at metal flashing	LowerRoof		
11-5-HH-23	Clear caulk at smoke vent	LowerRoof		
11-5-HH-24	Clear caulk at smoke vent	LowerRoof		
			031442890	

EMSL MANHATTAN LAB RECEIVED
14 NOV -7 AM 10:02

11/7/14 10:40pm

Henry A 11/8 7:44am

Rec'd by KMacd 11/7/14 10:11am

OrderID: 031442890

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
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EMSL – CT
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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.)
11-5-HH-25	Seating at backsplash	Kitchen		NAD
11-5-HH-26	Seating at backsplash	Kitchen		
11-5-HH-27	Joint compound at backsplash	Kitchen		
11-5-HH-28	Joint compound at backsplash	Kitchen		
		031442890		

Henry A 7:44am 11/8

11/7/14 10:45am

Rec'd by KMarsh 11/7/14 10:11am

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: 031442890
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: 11/07/14 10:11 AM
Analysis Date: 11/8/2014
Collected: 11/5/2014

Project: **14-028.12T10/ CSA-SSS/ 39 ATTAWAN AVE / NIANTIC**

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**
11-5-HH-01 *031442890-0001*	12X12 SELF ADHESIVE WHITE FLOOR TILE / KITCHEN	White Non-Fibrous Homogeneous		50% Ca Carbonate 35% Matrix 15% Non-fibrous (other)	**None Detected**
11-5-HH-02 *031442890-0002*	12X12 SELF ADHESIVE WHITE FLOOR TILE / KITCHEN	Gray Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (other)	**None Detected**
11-5-HH-03 *031442890-0003*	12X12 SELF ADHESIVE WHITE FLOOR TILE / 2ND FL BATH	Tan Non-Fibrous Homogeneous		65% Ca Carbonate 33% Non-fibrous (other)	**2% Chrysotile**
11-5-HH-04 *031442890-0004*	12X12 SELF ADHESIVE WHITE FLOOR TILE / 2ND FL BATH				**Stop Positive (Not Analyzed)**
11-5-HH-05 *031442890-0005*	BREAK AWAY PANELS / EXT D	Gray Non-Fibrous Homogeneous	5% Glass	20% Quartz 75% Non-fibrous (other)	**None Detected**
11-5-HH-06 *031442890-0006*	BREAK AWAY PANELS / EXT B	Gray Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	**None Detected**
11-5-HH-07 *031442890-0007*	WHITE CAULK AT STORM WINDOW / WOOD CASING / EXT D	Gray/Tan Non-Fibrous Homogeneous	8% Fibrous (other)	90% Non-fibrous (other)	**2% Anthophyllite**

Initial report from 11/08/2014 09:49:13

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

EMSL Order:	031442890
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:	11/07/14 10:11 AM
Analysis Date:	11/8/2014
Collected:	11/5/2014

Project: **14-028.12T10/ CSA-SSS/ 39 ATTAWAN AVE / NIANTIC**

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**
11-5-HH-08 *031442890-0008*	WHITE CAULK AT STORM WINDOW / WOOD CASING / EXT D						**Stop Positive (Not Analyzed)**
11-5-HH-09 *031442890-0009*	TAR PAPER / MAIN ROOF	Black Fibrous Homogeneous	12%	Glass	45% 43%	Matrix Non-fibrous (other)	**None Detected**
11-5-HH-10 *031442890-0010*	TAR PAPER / MAIN ROOF	Black Fibrous Homogeneous	70% 15%	Cellulose Synthetic	15%	Non-fibrous (other)	**None Detected**
11-5-HH-11 *031442890-0011*	BLACK ASPHALT ROOF SHINGLE TOP LAYER / LOWER ROOF	Black Fibrous Homogeneous	15%	Glass	35% 50%	Matrix Non-fibrous (other)	**None Detected**
11-5-HH-12 *031442890-0012*	BLACK ASPHALT ROOF SHINGLE TOP LAYER / LOWER ROOF	Black Fibrous Homogeneous	25%	Glass	75%	Non-fibrous (other)	**None Detected**
11-5-HH-13 *031442890-0013*	RED AND WHITE ASPHALT SHINGLE BOTTOM LAYER	Brown/Gray Fibrous Homogeneous	10%	Glass	15% 45% 30%	Quartz Ca Carbonate Non-fibrous (other)	**None Detected**
11-5-HH-14 *031442890-0014*	RED AND WHITE ASPHALT SHINGLE BOTTOM LAYER	Black Non-Fibrous Homogeneous	15%	Glass	40% 45%	Matrix Non-fibrous (other)	**None Detected**

Initial report from 11/08/2014 09:49:13

EMSL Analytical, Inc.
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Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031442890
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

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

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	11/07/14 10:11 AM
Analysis Date:	11/8/2014
Collected:	11/5/2014

Project: **14-028.12T10/ CSA-SSS/ 39 ATTAWAN AVE / NIANTIC**

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**
11-5-HH-15 *031442890-0015*	ASPHALT ROLLED ROOFING AT FLASHING / LOWER ROOF	Black Fibrous Homogeneous	18% Glass	5% Quartz 45% Matrix 32% Non-fibrous (other)		**None Detected**
11-5-HH-16 *031442890-0016*	ASPHALT ROLLED ROOFING AT FLASHING / LOWER ROOF	Black Non-Fibrous Homogeneous		35% Matrix 65% Non-fibrous (other)		**None Detected**
11-5-HH-17 *031442890-0017*	BLACK CAULK SURROUNDING ASPHALT ROLLED ROOFING - LOWER ROOF	Black Non-Fibrous Homogeneous		10% Ca Carbonate 75% Matrix 15% Non-fibrous (other)		**None Detected**
11-5-HH-18 *031442890-0018*	BLACK CAULK SURROUNDING ASPHALT ROLLED ROOFING - LOWER ROOF	Black Non-Fibrous Homogeneous		30% Matrix 70% Non-fibrous (other)		**None Detected**
11-5-HH-19 *031442890-0019*	BLACK CAULK FLASHING CEMENT UNDER METAL FLASHING - LOER	Red/Black Fibrous Homogeneous		92% Non-fibrous (other)	**8%**	**Chrysotile**
11-5-HH-20 *031442890-0020*	BLACK CAULK FLASHING CEMENT UNDER METAL FLASHING					**Stop Positive (Not Analyzed)**

Initial report from 11/08/2014 09:49:13

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EMSL Order:	031442890
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
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8 South Main Street
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Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	11/07/14 10:11 AM
Analysis Date:	11/8/2014
Collected:	11/5/2014

Project: **14-028.12T10/ CSA-SSS/ 39 ATTAWAN AVE / NIANTIC**

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**
11-5-HH-21 *031442890-0021*	BLACK FLASHING TAPE AT METAL FLASHING / LOWER - ROOF	Black Non-Fibrous Homogeneous	7% Cellulose	80% Matrix 13% Non-fibrous (other)	**None Detected**
11-5-HH-22 *031442890-0022*	BLACK FLASHING TAPE AT METAL FLASHING / LOWER - ROOF	Black Non-Fibrous Homogeneous		38% Matrix 62% Non-fibrous (other)	**None Detected**
11-5-HH-23 *031442890-0023*	CLEAR CAULK AT SMOKE VENT/ LOWER ROOF	Clear Non-Fibrous Homogeneous		87% Matrix 13% Non-fibrous (other)	**None Detected**
11-5-HH-24 *031442890-0024*	CLEAR CAULK AT SMOKE VENT/ LOWER ROOF	Clear Non-Fibrous Homogeneous		20% Matrix 80% Non-fibrous (other)	**None Detected**
11-5-HH-25 *031442890-0025*	SEATING AT BACKSPLASH / KITCHEN	White Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (other)	**None Detected**
11-5-HH-26 *031442890-0026*	SEATING AT BACKSPLASH / KITCHEN	Gray/White Non-Fibrous Homogeneous	2% Cellulose	35% Matrix 63% Non-fibrous (other)	**None Detected**
11-5-HH-27 *031442890-0027*	JOINT COMPOUND AT BLACKSPLASKH / KITCHEN	Tan/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
11-5-HH-28 *031442890-0028*	JOINT COMPOUND AT BLACKSPLASKH / KITCHEN	White Non-Fibrous Homogeneous		38% Matrix 62% Non-fibrous (other)	**None Detected**

Initial report from 11/08/2014 09:49:13

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:	031442890
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:	11/07/14 10:11 AM
Analysis Date:	11/8/2014
Collected:	11/5/2014

Project: **14-028.12T10/ CSA-SSS/ 39 ATTAWAN AVE / NIANTIC**

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

Report Comments:

Sample Receipt Date::	11/7/2014	Sample Receipt Time:	10:11 AM
Analysis Completed Date:	11/8/2014	Analysis Completed Time:	7:42 AM

Analyst(s):

Henry Akintunde PLM (11)

Shahrakur Mahmud PLM (14)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

Initial report from 11/08/2014 09:49:13

OrderID: 241401366

241401366

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
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EMSL – CT
29 N. Plains Hwy, Unit 4
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(203) 284-5978 Fax

EMSL – NY
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New York, NY 10018
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(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; rsloch@eagleenviro.com
Project Name	CSA-Super Storm Sandy Project	**Project #:**	14-020.12T8
Project Location:	39 Attawan Ave., Niantic	**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-R097-026 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D-5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420☐ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐Wipe, SW846-6010☐ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

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

MICROBIAL ANALYSIS

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

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

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

RECEIVED
APR 21 2014
By 8:00am Dif Bev

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

Client Sample # (5)	4-18-AC-01	4-18-AC-20		**TOTAL SAMPLE #**	20 20
Relinquished:	ANDREW CARNEVALE	**Date:**	4-18-2014	**Time:**	PM
Received:	NANCY PORTER	**Date:**	4-18-2014	**Time:**	PM
Relinquished:	NANCY PORTER	**Date:**	4-18-2014	**Time:**	PM
Received:		**Date:**		**Time:**	

Page 1

OrderID: 241401366

241401366

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

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

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

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

www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
4-18-AC-01	Cement panel	Crawl Spac		NAD
4-18-AC-02	Cement panel	Crawl Spac		
4-18-AC-03	Paper under siding	Fac C		
4-18-AC-04	Paper under siding	Fac C		
4-18-AC-05	Sheetrock	Living Rm		
4-18-AC-06	Sheetrock	Kitchen		
4-18-AC-07	Joint compound	Kitchen		
4-18-AC-08	Joint compound	Kitchen		
4-18-AC-09	Sheetrock/joint compound composite	Kitchen		
4-18-AC-10	Sheetrock/joint compound composite	Kitchen		
4-18-AC-11	Residual adhesive on wall	Living Rm		
4-18-AC-12	Residual adhesive on wall	Living Rm		
4-18-AC-13	Batting insulation paper	Bedroom 3		
4-18-AC-14	Batting insulation paper	Bedroom 3		
4-18-AC-15	Wood window glazing compound	Fac B		
4-18-AC-16	Wood window glazing compound	Fac B		
4-18-AC-17	Black asphalt shingles	Porch Roof		
4-18-AC-18	Black asphalt shingles	Porch Roof		
4-18-AC-19	Bottom layer shingle	Porch Roof		
4-18-AC-20	Bottom layer shingle	Porch Roof		

RECEIVED
APR 21 2014
By

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

EMSL Order:	241401366
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:	04/21/14 9:00 AM
Analysis Date:	4/21/2014
Collected:	4/18/2014

Project: **14-020.12T8/CSA-SUPER STORM SANDY PROJECT, 39 ATTAWAN AVE., NIANTIC, 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
4-18-AC-01 *241401366-0001*	Crawl Space - cement panel	Gray Non-Fibrous Homogeneous	<1%	Fibrous (other)	15% Quartz 20% Ca Carbonate 65% Non-fibrous (other)	**None Detected**
4-18-AC-02 *241401366-0002*	Crawl Space - cement panel	Gray Non-Fibrous Homogeneous	<1% <1%	Glass Fibrous (other)	20% Quartz 20% Ca Carbonate 60% Non-fibrous (other)	**None Detected**
4-18-AC-03 *241401366-0003*	Fac C - paper under siding	Black Fibrous Homogeneous	75%	Cellulose	25% Non-fibrous (other)	**None Detected**
4-18-AC-04 *241401366-0004*	Fac C - paper under siding	Black Non-Fibrous Homogeneous	75%	Cellulose	25% Non-fibrous (other)	**None Detected**
4-18-AC-05 *241401366-0005*	Living Rm - sheetrock	White Fibrous Homogeneous	<1%	Cellulose	25% Gypsum 75% Non-fibrous (other)	**None Detected**
4-18-AC-06 *241401366-0006*	Kitchen - sheetrock	White Fibrous Homogeneous	<1%	Cellulose	30% Gypsum 70% Non-fibrous (other)	**None Detected**
4-18-AC-07 *241401366-0007*	Kitchen - joint compound	White Non-Fibrous Homogeneous			30% Ca Carbonate 70% Non-fibrous (other)	**None Detected**
4-18-AC-08 *241401366-0008*	Kitchen - joint compound	White Non-Fibrous Homogeneous			35% Ca Carbonate 65% Non-fibrous (other)	**None Detected**

Analyst(s)
Edward Leary (20)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

Initial report from 04/21/2014 17:49:50

EMSL Analytical, Inc.
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Fax:	(860) 585-7034
Received:	04/21/14 9:00 AM
Analysis Date:	4/21/2014
Collected:	4/18/2014

Project: **14-020.12T8/CSA-SUPER STORM SANDY PROJECT, 39 ATTAWAN AVE., NIANTIC, 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
4-18-AC-09 *241401366-0009*	Kitchen - sheetrock/joint compound composite	Gray/White Fibrous Homogeneous	<1% Cellulose	20% Gypsum 10% Ca Carbonate 70% Non-fibrous (other)	**None Detected**
4-18-AC-10 *241401366-0010*	Kitchen - sheetrock/joint compound composite	Gray/White Fibrous Homogeneous	<1% Cellulose	25% Gypsum 12% Ca Carbonate 63% Non-fibrous (other)	**None Detected**
4-18-AC-11 *241401366-0011*	Living Rm - residual adhesive on wall	Brown Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	**None Detected**
4-18-AC-12 *241401366-0012*	Living Rm - residual adhesive on wall	Brown Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	**None Detected**
4-18-AC-13 *241401366-0013*	Bedroom 3 - batting insulation paper	Brown/Black Fibrous Homogeneous	30% Min. Wool 50% Cellulose	20% Non-fibrous (other)	**None Detected**
4-18-AC-14 *241401366-0014*	Bedroom 3 - batting insulation paper	Brown/Black Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (other)	**None Detected**
4-18-AC-15 *241401366-0015*	Fac B - wood window glazing compound	Tan Non-Fibrous Homogeneous	<1% Fibrous (other)	10% Ca Carbonate 90% Non-fibrous (other)	**None Detected**
4-18-AC-16 *241401366-0016*	Fac B - wood window glazing compound	Tan Non-Fibrous Homogeneous	<1% Fibrous (other)	15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**

Analyst(s)
Edward Leary (20)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

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

Initial report from 04/21/2014 17:49:50

EMSL Analytical, Inc.
29 North Plains Highway, Unit # 4, Wallingford, CT 06492
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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:	04/21/14 9:00 AM
Analysis Date:	4/21/2014
Collected:	4/18/2014

Project: **14-020.12T8/CSA-SUPER STORM SANDY PROJECT, 39 ATTAWAN AVE., NIANTIC, 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
4-18-AC-17 *241401366-0017*	Porch Roof - black asphalt shingles	White/Black Fibrous Homogeneous	40%	Cellulose	60% Non-fibrous (other)	**None Detected**
4-18-AC-18 *241401366-0018*	Porch Roof - black asphalt shingles	White/Black Fibrous Homogeneous	30%	Cellulose	70% Non-fibrous (other)	**None Detected**
4-18-AC-19 *241401366-0019*	Porch Roof - bottom layer shingle	Black Fibrous Homogeneous	45%	Cellulose	55% Non-fibrous (other)	**None Detected**
4-18-AC-20 *241401366-0020*	Porch Roof - bottom layer shingle	Black Fibrous Homogeneous	55%	Cellulose	45% Non-fibrous (other)	**None Detected**

Analyst(s)
Edward Leary (20)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

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

Initial report from 04/21/2014 17:49:50

APPENDIX 3

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 04/18/14 10:39

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

PERFORMED AT: 39 Attawan Avenue
Niantic, Connecticut
Various Areas

INSPECTION DATE: 04/18/14

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

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A lead-based paint screen was performed in various water damaged areas at 39 Attawan Avenue located in Niantic, Connecticut

SIGNED: _____ **Date:** 4/18/14

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:	04/18/14	39 Attawan Avenue
Report Date:	4/18/2014	Niantic, Connecticut
Abatement Level:	1.0	Various Areas
Report No.	S#02753 - 04/18/14 10:39	
Total Readings:	48 Actionable: 12	
Job Started:	04/18/14 10:39	
Job Finished:	04/18/14 14:03	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade D									
006	B	Clapboard	Lft		P	Wood	White	7.0	QM
004	D	Clapboard	Ctr		P	Wood	White	8.6	QM
005	D	Clapboard	Ctr		P	Wood	red	1.2	QM
007	D	Window	Ctr	Casing	P	Wood	blue	3.0	QM
008	D	Window	Ctr	Sill	P	Wood	blue	4.1	QM
Interior Room 001 Sun Room									
012	B	Box beam	Lft		P	Wood	White	>9.9	QM
009	B	Window	Lft	Mullion	P	Wood	White	>9.9	QM
011	B	Window	Lft	Casing	P	Wood	White	>9.9	QM
013	D	Window	Ctr	Rgt casing	P	Wood	White	>9.9	QM
Interior Room 006 Bedroom 3									
024	D	Window	Rgt	Jamb	P	Wood	White	1.0	QM
026	D	Window	Rgt	Sash	P	Wood	White	6.1	QM
025	D	Window	Rgt	Well	P	Wood	White	7.5	QM
Exterior Room 999									
Calibration Readings									

---- End of Readings ----

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

Inspection Date:	04/18/14	39 Attawan Avenue
Report Date:	4/18/2014	Niantic, Connecticut
Abatement Level:	1.0	Various Areas
Report No.	S#02753 - 04/18/14 10:39	
Total Readings:	48	
Job Started:	04/18/14 10:39	
Job Finished:	04/18/14 14:03	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade D									
006	B	Clapboard	Lft		P	Wood	White	7.0	QM
004	D	Clapboard	Ctr		P	Wood	White	8.6	QM
005	D	Clapboard	Ctr		P	Wood	red	1.2	QM
007	D	Window	Ctr	Casing	P	Wood	blue	3.0	QM
008	D	Window	Ctr	Sill	P	Wood	blue	4.1	QM
Exterior Room 003 Fr Porch									
039	-	Box Beam	Ctr		P	Wood	White	0.2	QM
041	-	Floor	Lft		P	Wood	No Paint	0.0	QM
040	A	Crown Mldg	Ctr		P	Wood	White	-0.2	QM
045	A	Fascia	Rgt		P	Wood	White	-0.3	QM
042	A	Door	Rgt	Casing	P	Wood	White	-0.1	QM
043	A	Door	Rgt	threshold	P	Wood	White	-0.2	QM
044	A	Door	Rgt	Kick plate	P	Wood	White	0.0	QM
035	A	Stairs	Rgt	Stringers	P	Wood	White	-0.1	QM
036	A	Stairs	Rgt	Treads	P	Wood	No Paint	-0.1	QM
037	A	Stairs	Rgt	Risers	P	Wood	No Paint	0.0	QM
038	A	Railing	Rgt	Railing	P	Wood	White	0.0	QM
027	D	Window	Ctr	Casing	P	Wood	stain	-0.2	QM
028	D	Window	Ctr	Sash	P	Wood	stain	0.1	QM
030	D	Window	Ctr	Apron	P	Wood	stain	-0.1	QM
029	D	Window	Ctr	Sill	P	Wood	stain	-0.1	QM
Interior Room 001 Sun Room									
012	B	Box beam	Lft		P	Wood	White	>9.9	QM
009	B	Window	Lft	Mullion	P	Wood	White	>9.9	QM
010	B	Window	Lft	Stop	P	Wood	White	-0.4	QM
011	B	Window	Lft	Casing	P	Wood	White	>9.9	QM
013	D	Window	Ctr	Rgt casing	P	Wood	White	>9.9	QM
031	D	Win. Stop	Ctr		P	Wood	Stain	0.0	QM
Interior Room 002 Kitchen									
020	B	Wall	Ctr		P	Dry Wall	Blue	-0.1	QM
Interior Room 003 Living Rm									
014	D	Wall	Ctr		P	Wood	stain	-0.4	QM
015	D	Window	Ctr	Casing	P	Wood	stain	-0.3	QM
016	D	Window	Ctr	Stop	P	Wood	stain	-0.1	QM
017	D	Window	Ctr	Sash	P	Wood	stain	-0.1	QM
018	D	Window	Ctr	Apron	P	Wood	stain	-0.1	QM
019	D	Window	Ctr	Sill	P	Wood	stain	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
Interior Room 004 Bedroom 1									
021	A	Window	Lft	Casing	P	Wood	green	-0.2	QM
Comment: Walls are unpainted									
Interior Room 005 Bedroom 2									
023	A	Wall	Rgt		P	Panel	stain	-0.1	QM
022	A	Window	Rgt	Casing	P	Wood	stain	-0.1	QM
Comment: Walls are unpainted									
Interior Room 006 Bedroom 3									
024	D	Window	Rgt	Jamb	P	Wood	White	1.0	QM
026	D	Window	Rgt	Sash	P	Wood	White	6.1	QM
025	D	Window	Rgt	Well	P	Wood	White	7.5	QM
Exterior Room 999									
001								1.1	TC
002								1.0	TC
003								1.0	TC
032								1.0	TC
033								1.1	TC
034								1.0	TC
046								1.1	TC
047								1.1	TC
048								1.0	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 06/03/14 11:24

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

PERFORMED AT: 39 Attawan Avenue
Niantic, Connecticut

INSPECTION DATE: 06/03/14

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 Hazard Screen was performed for the interiors and exteriors of the dwelling.

SIGNED: _____ Date: 6/3/14

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

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

Inspection Date:	06/03/14	39 Attawan Avenue
Report Date:	6/3/2014	Niantic, Connecticut
Abatement Level:	1.0	
Report No.	S#02753 - 06/03/14 11:24	
Total Readings:	71 Actionable: 38	
Job Started:	06/03/14 11:24	
Job Finished:	06/03/14 14:23	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
059	A	Window	Rgt	Casing	P	Wood	white	2.5	QM
061	A	Window	Rgt	Sash	P	Wood	white	7.5	QM
060	A	Window	Rgt	Sill	P	Wood	white	1.6	QM
Exterior Room 004 Facade D									
068	D	Facade under vinyl siding	Lft		P	Wood	white	2.2	QM
065	D	Window	Lft	Casing	P	Wood	blue	6.0	QM
067	D	Window	Lft	Sash	P	Wood	white	2.4	QM
066	D	Window	Lft	Sill	P	Wood	blue	1.5	QM
Interior Room 001 Enc. Porch									
019	-	Corner board	Ctr		P	Wood	beige	>9.9	QM
018	-	Floor	Ctr		P	Wood	white	1.5	QM
014	A	Boxbeam	Ctr		P	Wood	beige	>9.9	QM
009	A	Window	Rgt	Casing	P	Wood	beige	8.8	QM
020	B	Column	Ctr		P	Wood	beige	>9.9	QM
004	C	Wall	Ctr		P	Wood	beige	>9.9	QM
022	C	Wall	Ctr		P	Wood	beige	>9.9	QM
006	C	Window	Lft	Casing	P	Wood	white	>9.9	QM
008	C	Window	Lft	Blind stop	P	Wood	beige	3.2	QM
007	C	Window	Lft	Sash	P	Wood	beige	7.7	QM
015	C	Window	Rgt	Sash	P	Wood	beige	7.6	QM
025	C	Door	Lft	Threshold	P	Wood	beige	3.3	QM
005	C	Door	Ctr	Casing	P	Wood	white	>9.9	QM
021	D	Wall	Ctr		P	Wood	beige	>9.9	QM
016	D	Window	Rgt	Sash	P	Wood	white	9.5	QM
017	D	Window	Rgt	Well	P	Wood	white	>9.9	QM
Interior Room 002 Living Rm									
026	A	Door	Ctr	n/a	P	Wood	beige	3.0	QM
028	A	Door	Ctr	Jamb	P	Wood	beige	3.9	QM
029	A	Door	Ctr	Stop	P	Wood	white	8.7	QM
Interior Room 003 Dining Rm									
030	A	Door	Rgt	n/a	P	Wood	beige	>9.9	QM
Interior Room 005 Bath									
039	A	Wall	Ctr		P	Wood	blue	>9.9	QM
042	C	Column	Ctr		P	Wood	blue	>9.9	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 006 Rear Entry									
043	A	Wall	Ctr		P	Wood	beige	8.7	QM
047	A	Door	Ctr	Casing	P	Wood	beige	8.3	QM
048	A	Door	Ctr	Threshold	P	Wood	beige	5.0	QM
049	A	Door	Ctr	Kick plate	P	Wood	beige	6.6	QM
Interior Room 012 Bedroom 4									
053	D	Window	Rgt	Jamb	P	Wood	white	2.1	QM
054	D	Window	Rgt	Blind stop	P	Wood	white	3.0	QM
055	D	Window	Rgt	Ext. Sash	P	Wood	white	4.1	QM
051	D	Window	Rgt	Well	P	Wood	white	7.8	QM
052	D	Window	Rgt	Part. bead	P	Wood	white	3.7	QM
Calibration Readings									

---- End of Readings ----

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

Inspection Date:	06/03/14	39 Attawan Avenue
Report Date:	6/3/2014	Niantic, Connecticut
Abatement Level:	1.0	
Report No.	S#02753 - 06/03/14 11:24	
Total Readings:	71	
Job Started:	06/03/14 11:24	
Job Finished:	06/03/14 14:23	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
056	A	Facade	Rgt		P	Wood	beige	-0.1	QM
062	A	Porch	Rgt	Boxbeam	P	Wood	white	-0.2	QM
063	A	Porch	Rgt	Railing	P	Wood	white	-0.4	QM
064	A	Porch	Rgt	Column	P	Wood	white	-0.2	QM
059	A	Window	Rgt	Casing	P	Wood	white	2.5	QM
061	A	Window	Rgt	Sash	P	Wood	white	7.5	QM
060	A	Window	Rgt	Sill	P	Wood	white	1.6	QM
057	A	Door	Rgt	Casing	P	Wood	white	0.0	QM
058	A	Door	Rgt	Kick plate	P	Wood	white	0.1	QM
Exterior Room 004 Facade D									
068	D	Facade under vinyl siding	Lft		P	Wood	white	2.2	QM
065	D	Window	Lft	Casing	P	Wood	blue	6.0	QM
067	D	Window	Lft	Sash	P	Wood	white	2.4	QM
066	D	Window	Lft	Sill	P	Wood	blue	1.5	QM
Interior Room 001 Enc. Porch									
024	-	Ladder	Lft		P	Wood	beige	-0.4	QM
019	-	Corner board	Ctr		P	Wood	beige	>9.9	QM
018	-	Floor	Ctr		P	Wood	white	1.5	QM
014	A	Boxbeam	Ctr		P	Wood	beige	>9.9	QM
009	A	Window	Rgt	Casing	P	Wood	beige	8.8	QM
010	A	Door	Ctr	Casing	P	Wood	beige	-0.1	QM
011	A	Door	Ctr	Jamb	P	Wood	beige	-0.1	QM
012	A	Door	Ctr	Stop	P	Wood	beige	-0.2	QM
013	A	Door	Ctr	Threshold	P	Wood	gray	0.1	QM
020	B	Column	Ctr		P	Wood	beige	>9.9	QM
004	C	Wall	Ctr		P	Wood	beige	>9.9	QM
022	C	Wall	Ctr		P	Wood	beige	>9.9	QM
006	C	Window	Lft	Casing	P	Wood	white	>9.9	QM
008	C	Window	Lft	Blind stop	P	Wood	beige	3.2	QM
007	C	Window	Lft	Sash	P	Wood	beige	7.7	QM
015	C	Window	Rgt	Sash	P	Wood	beige	7.6	QM
025	C	Door	Lft	Threshold	P	Wood	beige	3.3	QM
005	C	Door	Ctr	Casing	P	Wood	white	>9.9	QM
021	D	Wall	Ctr		P	Wood	beige	>9.9	QM
023	D	Baseboard	Ctr		P	Wood	beige	0.3	QM
016	D	Window	Rgt	Sash	P	Wood	white	9.5	QM
017	D	Window	Rgt	Well	P	Wood	white	>9.9	QM

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 002 Living Rm									
026	A	Door	Ctr	n/a	P	Wood	beige	3.0	QM
027	A	Door	Ctr	Casing	P	Wood	no paint	0.0	QM
028	A	Door	Ctr	Jamb	P	Wood	beige	3.9	QM
029	A	Door	Ctr	Stop	P	Wood	white	8.7	QM
Interior Room 003 Dining Rm									
030	A	Door	Rgt	n/a	P	Wood	beige	>9.9	QM
031	A	Door	Rgt	Casing	P	Wood	no paint	0.0	QM
032	A	Door	Rgt	Jamb	P	Wood	no paint	0.1	QM
Interior Room 004 Kitchen									
037	-	Ceiling	Ctr		P	Dry wall	white	-0.2	QM
033	A	Wall	Ctr		P	Dry wall	white	-0.1	QM
038	A	Stairs	Ctr	Outer Wall	P	Wood	white	-0.1	QM
034	B	Wall	Ctr		P	Dry wall	white	-0.3	QM
035	C	Wall	Ctr		P	Dry wall	white	-0.2	QM
036	D	Wall	Ctr		P	Dry wall	white	-0.3	QM
Interior Room 005 Bath									
039	A	Wall	Ctr		P	Wood	blue	>9.9	QM
042	C	Column	Ctr		P	Wood	blue	>9.9	QM
040	D	Door	Ctr	n/a	P	Wood	blue	-0.4	QM
041	D	Door	Ctr	Jamb	P	Wood	blue	-0.1	QM
Interior Room 006 Rear Entry									
045	-	Floor	Ctr		P	Wood	blue	-0.3	QM
046	-	Floor	Ctr		P	Wood	blue	0.1	QM
043	A	Wall	Ctr		P	Wood	beige	8.7	QM
047	A	Door	Ctr	Casing	P	Wood	beige	8.3	QM
048	A	Door	Ctr	Threshold	P	Wood	beige	5.0	QM
049	A	Door	Ctr	Kick plate	P	Wood	beige	6.6	QM
044	B	Wall	Ctr		P	Wood	beige	0.6	QM
Interior Room 011 Bath									
050	C	Pipe	Rgt		P	Metal	white	0.7	TC
Interior Room 012 Bedroom 4									
053	D	Window	Rgt	Jamb	P	Wood	white	2.1	QM
054	D	Window	Rgt	Blind stop	P	Wood	white	3.0	QM
055	D	Window	Rgt	Ext. Sash	P	Wood	white	4.1	QM
051	D	Window	Rgt	Well	P	Wood	white	7.8	QM
052	D	Window	Rgt	Part. bead	P	Wood	white	3.7	QM
Calibration Readings									
001								1.1	TC
002								1.0	TC
003								1.0	TC
069								0.8	TC

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

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
070								1.1	TC
071								1.1	TC

---- End of Readings ----

APPENDIX 4

LEAD-BASED PAINT VISUAL ASSESSMENT FORMS

EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Enclosed Porch 001

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	I F (P)	carpet - I wood floor - XRF	
Wall	(A) (B) (C) (D)	I F (P)	XRF "C" wall - clapboard/shingles	
Ceiling	A B C D	I F P	insulation	
Door	(A) B C D	(I) F P		
Door Casing	(A) B C D	I F (P)	XRF (-)	
Door Jamb	(A) B C D	I F (P)	XRF (-)	
Baseboard	A B C D	I F P		
Window Casing	(A) (B) (C) (D)	I F (P)		
Window Stop	(A) (B) (C) (D)	I F (P)	vinyl w/a system on "A" & "B"	
Window Jamb	(A) (B) (C) (D)	I F (P)		
Window Sash	(A) (B) (C) (D)	I F (P)	orig. wood win. "C, D"	
Window Well	(A) (B) (C) (D)	I F (P)		
Window Sill	(A) (B) (C) (D)	I F (P)		
Window Apron	(A) (B) (C) (D)	I F (P)		
Closet Door	(A) B (C) D	I F (P)	XRF	
Clst.Door Casing	A B C D	I F P	n/a	
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Fas Beam	A B C D	I F (P)	XRF (+)	
Columns	A B C D	I F (P)	XRF (+)	
Window systems	A B (C) D	I F (P)	XRF	
window trim	A B (C) D	I F (P)	XRF	
Door Stop	(A) B C D	I F (P)	XRF (-)	
Door Cover open.	A B (C) D	I F (P)	XRF (+)	
Door Threshold cover.	A B (C) D	I F (P)	XRF (-)	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Living Room 002

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	hardwood	
Wall	(A) (B) (C) (D)	(I) F P	hardwood	
Ceiling	A B C D	(I) F P	hardwood	
Door	(A) B C D	I F (P)	(+)	
Door Casing	(A) B C D	I F (P)	(+)	
Door Jamb	(A) B C D	I F (P)	(+)	
Baseboard	A B C D	I F P		
Window Casing	(A) (B) C (D)	I F P	windows trim	
Window Stop	(A) (B) C (D)	I F P	and sashes up	
Window Jamb	(A) (B) C D	I F P		
Window Sash	(A) (B) C D	I F P		
Window Well	A B C D	I F P		
Window Sill	(A) (B) (C) (D)	I F P		
Window Apron	(A) (B) C (D)	I F P		
Closet Door	A B C D	I F P	n/a	
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Dining Room 003

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	hardwood	
Wall	(A)(B)(C)(D)	(I) F P	hardwood/ulp shortner	
Ceiling	A B C D	(I) F P	hardwood	
Door	(A) B C D	I F (P)	(-)	
Door Casing	right (A) B C D	I F (P)	(-)	
Door Jamb	((A) B C D	I F (P)	(-)	
Baseboard	A B C D	I F P		
Window Casing	A (B) C D	(I) F P	ulp trim	
Window Stop	A B C D	I F P	vinyl replacement	
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A (B) C D	(I) F P	ulp trim	
Window Apron	A (B) C D	(I) F P		
Closet Door	A B C D	I F P	n/a	
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Kitchen 004

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	I F P	vinyl floor tiles/plywood	
Wall	(A) (B) (C) (D)	I F (P)	XRF	
Ceiling	A B C D	I F (P)	XRF	
Door	A B C D	I F P	n/a	
Door Casing	(A) B (C) D	(I) F P	no paint	
Door Jamb	A B C D	I F P	n/a	
Baseboard	A B C D	I F P	n/a	
Window Casing	A (B) (C) D	(I) F P		
Window Stop	A (B) (C) D	(I) F P		
Window Jamb	A B C D	I F P	vinyl replacements	
Window Sash	A B C D	I F P	↓	
Window Well	A B C D	I F P		
Window Sill	A (B) (C) D	(I) F P		
Window Apron	A (B) (C) D	(I) F P		
Closet Door	A B C (D)	(I) F P		
Clst.Door Casing	A B C (D)	(I) F P		
Clst.Door Jamb	A B C (D)	(I) F P		
Closet Shelf	A B C (D)	(I) F P		
Shelf Support	A B C (D)	(I) F P		
Radiator	A B C D	(I) F P		
Crown Molding	A B C D	I F P		
Cabinet	(A) B (C) D	(I) F P		
Cabinet Door	(A) B (C) D	(I) F P		
Cabinet Frame	(A) B (C) D	(I) F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bath 005

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	plywood	
Wall	(A) B C D	I F (P)	A-Wall clapboard (E), B, C, D sheetrock	
Ceiling	A B C D	(I) F P	U/D sheetrock	
Door	A B C (D)	I F P	XRF (E)	
Door Casing	A B C D	I F P	no casing	
Door Jamb	A B C (D)	I F P	XRF (E)	
Baseboard	A B C D	I F P		
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Column	A B (C) D	I F (P)	sheetrock flush w/ column (P)	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Hallway 014

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	3 hardwood	
Wall	(A) (B) (C) (D)	(I) F P	5	
Ceiling	A B C D	(I) F P		
Door	A B C D	I F P		
Door Casing	(A) (B) (C) (D)	(I) F P		
Door Jamb	A B C D	I F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Stair treads	A B C D	(I) F P	7	
risers	A B C D	(I) F P	tulip wood	
handrail	A B C D	(I) F P	5	
well	A B C D	(I) F P	5	
ceiling	A B C D	(I) F P	sheetrock	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Mud Room 006

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	I F (P)	XRF ⊖	
Wall	A B C D	I F (P)	XRF "A" wall diagonal ⊕	
Ceiling	A B C D	I F P	Insulation - Assume ceiling joists ⊕	
Door	A B (C) D	(I) F P		
Door Casing	(A) B C D	I F (P)	XRF ⊕	
Door Jamb	A B (C) D	(I) F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Door Thresh	(A) B C D	I F (P)	XRF ⊕	
Door Kickplate	(A) B C D	I F (P)	XRF ⊕	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bedroom1 007

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	hard wood	
Wall	(A) (B) (C) (D)	(I) F P	Wood/Sheetrock	
Ceiling	A B C D	(I) F P	Wood	
Door	A (B) C D	(I) F P		
Door Casing	A (B) C D	(I) F P		
Door Jamb	A (B) C D	(I) F P		
Baseboard	A B C D	I F P		
Window Casing	A B C (D)	(I) F P		
Window Stop	A B C (D)	(I) F P		
Window Jamb	A B C D	I F P	Vinyl replacements	
Window Sash	A B C D	I F P	↓	
Window Well	A B C D	I F P		
Window Sill	A B C (D)	(I) F P		
Window Apron	A B C (D)	(I) F P		
Closet Door	A B (C) D	(I) F P		
Clst.Door Casing	A B (C) D	(I) F P		
Clst.Door Jamb	A B (C) D	(I) F P		
Closet Shelf	A B (C) D	(I) F P		
Shelf Support	A B (C) D	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	(A) (B) (C) (D)	(I) F P		
Cabinet	A B C D	I F P	n/a	
Cabinet Door	A B C D	I F P	↓	
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bedroom 2 009

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	?	
Wall	(A) (B) (C) (D)	(I) F P	? wood	
Ceiling	A B C D	(I) F P		
Door	A B (C) D	(I) F P		
Door Casing	A B (C) D	(I) F P	? Stained	
Door Jamb	A B (C) D	(I) F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	(A) (B) C D	(I) F P		
Window Stop	(A) (B) C D	(I) F P		
Window Jamb	A B C D	I F P	vinyl replacements	
Window Sash	A B C D	I F P	↓	
Window Well	A B C D	I F P		
Window Sill	(A) (B) C D	(I) F P		
Window Apron	(A) (B) C D	(I) F P		
Closet Door	A B C (D)	(I) F P		
Clst.Door Casing	A B C (D)	(I) F P		
Clst.Door Jamb	A B C (D)	(I) F P		
Closet Shelf	A B C (D)	(I) F P		
Shelf Support	A B C (D)	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	A B C D	I F P	↓	
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P	↓	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bedroom 3 009

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P		
Wall	(A) (B) (C) (D)	(I) F P	wood	
Ceiling	A B C D	(I) F P		
Door	A B C (D)	(I) F P		
Door Casing	A B C (D)	(I) F P	Stained	
Door Jamb	A B C (D)	(I) F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	A (B) C D	(I) F P		
Window Stop	A (B) C D	(I) F P		
Window Jamb	A B C D	I F P	vinyl replacement	
Window Sash	A B C D	I F P	↓	
Window Well	A B C D	I F P		
Window Sill	A (B) C D	(I) F P		
Window Apron	A (B) C D	(I) F P		
Closet Door	A B C (D)	(I) F P		
Clst.Door Casing	A B C (D)	(I) F P		
Clst.Door Jamb	A B C (D)	(I) F P		
Closet Shelf	A B C (D)	(I) F P		
Shelf Support	A B C (D)	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	A B C D	I F P	↓	
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Laundry Room 010

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	7	
Wall	(A) (B) (C) (D)	(I) F P	5 hardwood	
Ceiling	A B C D	(I) F P	5	
Door	A B C (D)	(I) F P	7	
Door Casing	A B C (D)	(I) F P	3 Stained	
Door Jamb	A B C (D)	(I) F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	A (B) C D	(I) F P		
Window Stop	A (B) C D	(I) F P		
Window Jamb	A B C D	I F P	vinyl replacements	
Window Sash	A B C D	I F P	↓	
Window Well	A B C D	I F P		
Window Sill	A (B) C D	(I) F P		
Window Apron	A (B) C D	(I) F P		
Closet Door	A B C (D)	(I) F P		
Clst.Door Casing	A B C (D)	(I) F P		
Clst.Door Jamb	A B C (D)	(I) F P		
Closet Shelf	A B C (D)	(I) F P		
Shelf Support	A B C (D)	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	A B C D	I F P	↓	
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		
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INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bath 011

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	vinyl tile floor	
Wall	(A) (B) (C) (D)	(I) F P	wood; sheetrock	
Ceiling	A B C D	(I) F P	wood	
Door	(A) B C D	(I) F P	}	
Door Casing	(A) B C D	(I) F P	} stained	
Door Jamb	(A) B C D	(I) F P	}	
Baseboard	A B C D	I F P	n/a	
Window Casing	A B (C) D	(I) F P	} stained	
Window Stop	A B (C) D	(I) F P	}	
Window Jamb	A B (C) D	I F P	}	
Window Sash	A B (C) D	I F P	} no access (assume?)	
Window Well	A B (C) D	I F P	}	
Window Sill	A B (C) D	(I) F P	} stained	
Window Apron	A B (C) D	(I) F P	}	
Closet Door	A (B) C D	(I) F P		
Clst.Door Casing	A (B) C D	(I) F P		
Clst.Door Jamb	A (B) C D	(I) F P		
Closet Shelf	A (B) C D	(I) F P		
Shelf Support	A (B) C D	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
pipe	A B (C) D	I F (P)	YKE-⊖	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bedroom 4 012

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P		
Wall	(A)(B)(C)(D)	(I) F P	D wall-insulation	Wood
Ceiling	A B C D	(I) F P		
Door	A (B) C D	(I) F P		
Door Casing	A (B) C D	(I) F P	stained	
Door Jamb	A (B) C D	(I) F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	A B C (D)	I F P		
Window Stop	A B C (D)	I F P		
Window Jamb	A B C (D)	I F (P)	+	
Window Sash	A B C (D)	I F (P)	+	
Window Well	A B C (D)	I F (P)	+	
Window Sill	A B C (D)	I F P		
Window Apron	A B C (D)	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B (C) D	(I) F P		
Clst.Door Jamb	A B (C) D	(I) F P		
Closet Shelf	A B (C) D	(I) F P		
Shelf Support	A B (C) D	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Bedroom 5 013

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	hardwood	
Wall	(A) (B) (C) (D)	(I) F P	painted wood - B, C	sheetrock - D insulation - A
Ceiling	A B C D	(I) F P	painted wood	
Door	A (B) C D	(I) F P		
Door Casing	A (B) C D	(I) F P		
Door Jamb	A (B) C D	(I) F P		
Baseboard	A B C D	I F P	n/a	
Window Casing	(A) B C D	(I) F P		
Window Stop	(A) B C D	(I) F P		
Window Jamb	A B C D	I F P	vinyl encased	
Window Sash	A B C D	I F P	↓	
Window Well	A B C D	I F P		
Window Sill	(A) B C D	(I) F P		
Window Apron	(A) B C D	(I) F P		
Closet Door	A (B) C D	(I) F P		
Clst.Door Casing	A (B) C D	(I) F P		
Clst.Door Jamb	A (B) C D	(I) F P		
Closet Shelf	A (B) C D	(I) F P		
Shelf Support	A (B) C D	(I) F P		
Radiator	A B C D	I F P	n/a	
Crown Molding	A B C D	I F P	↓	
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P	↓	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		

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INTERIOR
VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Room No: Crawl Space 015

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	I F P		
Wall	A B C D	I F P		
Ceiling	A B C D	I F P	Fir components	
Door	A B C D	I F P	are unpainted	
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P	wood and	
Baseboard	A B C D	I F P		
Window Casing	A B C D	I F P	concrete	
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

EXTERIOR VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Side: "1"

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	(A) B C D	I F (P)	vinyl shingles (5)	
Skirt Board	(A) B C D	(I) F P		
Corner Board	(A) B C D	(I) F P		
Upper Trim	(A) B C D	I F (P)	Inaccessible - assume (P)	
Porch Column	(A) B C D	I F P		
Porch Floor	(A) B C D	(I) F P	unpainted	
Porch Ceiling	(A) B C D	I F P	unpainted	
Porch Trim	(A) B C D	I F (P)	VRE (5)	
Window Casing	(A) B C D	I F (P)	VRE (5)	
Window Stop	(A) B C D	I F (P)	vinyl replacement windows	
Window Jamb	(A) B C D	I F (P)	(P) trim is wrapped	
Window Sash	(A) B C D	I F (P)		
Window Well	(A) B C D	I F (P)		
Window Sill	(A) B C D	I F (P)		
Door	A B C D	I F P		
Door Casing	(A) B C D	I F (P)		
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
Porch railing	(A) B C D	I F (P)	(5)	
Porch railings	(A) B C D	I F (P)	(5)	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EXTERIOR VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Side: B

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A (B) C D	(I) F P	?	
Skirt Board	A (B) C D	(I) F P	? Enclosed (wind)	
Corner Board	A (B) C D	(I) F P		
Upper Trim	A (B) C D	I F (P)	Inacc. - assume (P)	
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A (B) C D	(I) F P	all trim is wrapped	
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A (B) C D	(I) F P		
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EXTERIOR VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Side: C

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A B (C) D	(I) F P		
Skirt Board	A B (C) D	(I) F P		
Corner Board	A B (C) D	(I) F P		
Upper Trim	A B C D	I F P		
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A B (C) D	(I) F (P)	there is an a/c.	
Window Stop	A B C D	I F P	windows and the	
Window Jamb	A B C D	I F P	trim has not	
Window Sash	A B C D	I F P	been wrapped.	
Window Well	A B C D	I F P		
Window Sill	A B (C) D	(I) F (P)		
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EXTERIOR VISUAL ASSESSMENT FORM

Address: 39 Attawan Avenue, Niantic, CT

Side: D

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A B C (D)	I F (P)	7 Enclosures are failing	
Skirt Board	A B C (D)	I F (P)		
Corner Board	A B C (D)	I F (P)		
Upper Trim	A B C D	I F P		
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A B C (D)	I F (P)	Vinyl replacement	
Window Stop	A B C D	I F P	(window trim is	
Window Jamb	A B C D	I F P	wrapped -	
Window Sash	A B C (D)	I F (P)	(original window	
Window Well	A B C D	I F P	trim is not	
Window Sill	A B C (D)	I F (P)	)	
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

8 SOUTH MAIN STREET • TERRYVILLE, CT 06786
PHONE (860) 589-8257 • FAX (860) 585-7034

APPENDIX 5

TCLP SAMPLE LABORATORY REPORTS AND

COMPUTATION TABLES

PHOENIX
Environmental Laboratories, Inc.

Thursday, November 13, 2014

Attn: Mr. Peter Folino
Eagle Environmental Inc.
8 South Main Street, Suite 3 ©
Terryville CT 06786

Project ID: CSA-39 ATTAWAN AVE., NIANTIC
Sample ID#s: BH38529

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 13, 2014

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
8 South Main Street, Suite 3 ©
Terryville CT 06786

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	KL	11/06/14	0:00
Location Code:	EAGLEENV	Received by:	LB	11/10/14	13:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-028-12T10				

Laboratory Data

SDG ID: GBH38529
Phoenix ID: BH38529

Project ID: CSA-39 ATTAWAN AVE., NIANTIC
Client ID: COMPOSITE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Lead	12.0	0.10	mg/L	11/12/14	LK	SW6010
TCLP Metals Digestion	Completed			11/11/14	I/I	SW3005
TCLP Extraction for Metals	Completed			11/10/14	I	EPA 1311
TCLP Sample Size Reduction	Completed			11/10/14	SHOP	1311

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 13, 2014

QA/QC Data

SDG I.D.: GBH38529

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 291889, QC Sample No: BH38558 (BH38529)												
ICP Metals - TCLP Extraction												
Lead	BRL	0.600	0.638	6.10	114	106	7.3	109	106	2.8	75 - 125	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
November 13, 2014

Sample Criteria Exceedences Report

GBH38529 - EAGLEENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH38529	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	12.0	0.10	5	5	mg/L

Cooler: Yes ☐ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 0 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☐ Fax:
☐ Phone: 860-589-8259
☐ Email:

Customer: Eagle Environmental, Inc
Address: 8 South Main, Suite #3
Terryville, CT 06786

Project: CSA-39 Attawan Ave, Niantic
Report to: Peter Folino
Invoice to: Eagle

Project P.O: 14-028.12T10

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 11/7/14

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	% Contribution	Negative Wood	Positive Wood	Negative Sheetrock	Negative Glass	Negative Roofing
38529	Sample A - Neg. Wood	SD	11/6		80					
	Sample B - Pos Wood	SD	↓			9				
	Sample C - Neg Sheetrock	SD					4			
	Sample D - Neg Glass	SD						2		
	Sample E - Neg Roofing	SD							5	

Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/10/14	12:00
	THERMO	11/10/14	13:23

Comments, Special Requirements or Regulations:
Please Combine Samples A-E to form 1 composite Sample.
↑
TCLP

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

TABLE E

DEMOLITION WASTE CLASSIFICATION
TCLP FIELD COMPUTATION TABLE
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT

Component	Thickness (in)	Thickness (ft)	Area (SF)	Volume (CF)	Density (lbs/CF)	Mass (lbs)	Totals (lbs)	Percent of Total Mass
Negative Wood (solid)	0.50	0.042	12685	528.5	35	18499.0	48219.8	80%
	0.75	0.063		0.0	35	0.0		
	1.00	0.083		0.0	35	0.0		
	1.50	0.125		0.0	35	0.0		
	2.00	0.167	3195	532.5	35	18637.5		
	4.00	0.333	950	316.7	35	11083.3		
	0.00	0.000		0.0	35	0.0		
Positive Wood (solid)	0.50	0.042	2835	118.1	35	4134.4	5041.5	9%
	0.75	0.063	340	21.3	35	743.8		
	1.00	0.083		0.0	35	0.0		
	1.50	0.125		0.0	35	0.0		
	2.00	0.167	28	4.7	35	163.3		
	4.00	0.333		0.0	35	0.0		
	0.00	0.000		0.0	35	0.0		
Negative Sheetrock	0.50	0.042	1100	45.8	52.8	2420.0	2420.0	4%
Glass	0.25	0.021	378	7.9	161	1267.9	1267.9	2%
Roofing	0.50	0.042	1650	68.8	45	3093.8	3093.8	5%
			Total Mass				60042.9	100%

APPENDIX 6

RADON TESTING REPORTS

RADON TESTING WAS NOT PERFORMED AT THE TIME OF INSPECTION AS THE BUILDING IS SCHEDULED TO BE DEMOLISHED

APPENDIX 7

MOLD INSPECTION FORMS

EAGLE Environmental, Inc.

MOLD OBSERVATION FORM

Eagle Project No: 14028.12T10 Date: 4/18/14 Inspector: HH

Facility Address: 39 Hawaan Ave, Niantic

Location	Observation	Sample Number
	No Mold was observed at the time of the inspection	

EAGLE Environmental, Inc.

MOLD MOISTURE READING FORM

Eagle Project No: 14-028-12T10 Date: 4/18/14 Inspector: HH

Facility Address: _____

MOISTURE MODE						
ROOM	COMPONENT	SUBSTRATE	REL. SURFACE MOISTURE	DRY	AT RISK	WET
Kitchen	Wall	sheetrock wall	12.2 RH	✓		
Sun Rm	Wall	sheetrock	11.7	✓		
Kitchen	Floor	Wood	11.8	✓		
bed Rm	Window	Wood	13.4	✓		
bedRm2	Window	wood	13.6	✓		
Crawl	Joist	Wood	11.7	✓		

HYGROMETER MODE				
TIME	ROOM	% RELATIVE HUMIDITY	AIR TEMP.	DEW POINT TEMP.
10:50	Kitchen	28.8	64.6	30.7
1054	Sun. Rm	28.6	64	30.2
10:56	Kitchen	27.5	64.4	30.7
11:00	bed Rm	30.5	66.0	30.2
11:02	Bed 2	28.0	68.5	32.2
11:04	Crawl	40.2	52.7	29.1

APPENDIX 8

ABATEMENT AND CONSULTING

COST ESTIMATES

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES
APPLICATION NO. 1939
39 ATTAWAN AVENUE
NIANTIC, CONNECTICUT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
FLOOR TILE	60	$ 25.00 SF	$ 1,500.00
CAULK	54	$ 18.00 LF	$ 972.00
ROOF FLASHING CEMENT	40	$ 6.00 LF	$ 240.00
SUBTOTAL			$ 2,712.00
ASBESTOS ABATEMENT CONTINGENCY			$ 271.20
ASBESTOS TOTAL			**$ 2,983.20**

LEAD BASED PAINT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD-BASED PAINT SIDING REMOVAL	2,835	$ 4.00 SF	$ 11,340.00
SIDING DISPOSAL (HAZARDOUS LEAD WASTE)	45	$ 385.00 YRD	$ 17,325.00
SUBTOTAL			$ 28,665.00
LEAD RENOVATION CONTINGENCY			$ 5,733.00
LEAD RENOVATION TOTAL			**$ 34,398.00**

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL **$ 37,381.20**

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 **$ 38,481.20**

APPENDIX 9

EAGLE ENVIROMENTAL, 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 **Exam Date:** 01/02/2014 **Expiration Date:** 01/02/2015

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director
Richard Haffey, Training Director

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

ANDREW C CARNEVALE

LICENSE NO.
000650
CURRENT THROUGH
10/31/14
VALIDATION NO.
08-702940

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

Mary B. Fralick
Principal Instructor

Gregory J. Morsch
Training Manager

October 2, 2013
Date of Course

October 2, 2013
Exam Date

CTLIRAR-354
Certificate Number

October 2, 2014
Expiration Date

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

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