EAGLE Environmental, Inc.

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

July 26, 2018

Mr. Ronald Turner
Director of Operations
Town of East Haddam
26 Plains Road
P.O. Box 401
Moodus, Connecticut 06469

RE: Pre-Renovation/Demolition Hazardous Building Materials Inspection Report
Former Town Garage
1 Main Street
East Haddam, Connecticut
Eagle Project No. 18-144.10T2

Dear Mr. Turner:

Please find the report for the hazardous building materials inspection conducted at the Former Town Garage Building located at 1 Main Street in East Haddam, Connecticut. The scope of services included an asbestos-containing materials inspection, lead-based paint screen, lead waste characterization sampling and analysis, a visual inspection for polychlorinated biphenyls (PCB) and an inspection for universal waste materials.

The inspection was performed to support the potential renovation or demolition of the building.

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:
Chris Liberti
Senior Project Manager

Report Reviewed By:
Ashis Roychowdhury
Executive Vice President

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1. INTRODUCTION

On June 20 and 21, 2018, Eagle Environmental, Inc. (Eagle) conducted a hazardous building materials inspection of the structure Former Town Garage located at 1 Main Street in East Haddam, Connecticut. The scope of the hazardous building material inspection included an asbestos-containing materials inspection, a lead-based paint screen, lead waste characterization sampling and analysis, a visual inspection for PCB containing materials and an inspection for universal waste materials. The inspection was performed to support the demolition of the building.

1.1 Building Description

One (1) of the two (2) buildings located at 1 Main Street in East Haddam, Connecticut is a single-story garage structure with an office area. The structure was built in the early 1900's and had an addition added to the building. The building is constructed slab on grade. The mechanical equipment consists of an oil fired forced hot air system with metal duct work. The mechanical system distribution system is un-insulated. There are two (2) furnaces located in the building. The interior walls and ceilings are of sheetrock and joint compound construction, wood or wood particle board. The window frames and sashes are of wood and metal construction. The door frames are wood with wood doors. The floors are predominately concrete. The exterior facades are clad with wood clapboard siding and brick. Portions of the roof are pitched and covered with asphalt shingles and the remainder of the roof is flat and covered with a built up roofing system.

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 if the demolition work will impact the ACM.

The asbestos inspection was performed by Raymond R. Folino; a State of Connecticut licensed Asbestos Inspector (license #000137).

2.2 Lead-based Paint

2.2.1 X-Ray Fluorescence Screen

The lead-based paint (LBP) screen was performed in accordance with the requirements of the State of Connecticut, Department of Energy and Environmental Protection (DEEP), Guidance for the Management and Disposal of Lead Contaminated Materials Generated in the Lead Abatement, Renovation and Demolition Industries. The DEEP regulates the disposal of hazardous lead waste in the State of Connecticut. Lead-contaminated debris, not contaminated with other hazardous materials, is classified either as hazardous lead waste or as non-hazardous solid waste.

Additionally the U.S. Department of Labor Occupational Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead in Construction.

The lead-based paint screen was performed by Alexis St. Hilaire; a State of Connecticut licensed Lead Inspector/Risk Assessor (license #002282).

2.2.2 Lead Waste Characterization

The 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 DEP 22a-449© - 101 (a) (1), incorporating 40 CFR 262.24). Eagle Environmental, Inc. collected samples of building materials for lead waste characterization.

2.3 Polychlorinated Biphenyls (PCB) in Bulk Source Materials

Eagle performed a visual inspection only of suspect PCB containing materials at the site building. These materials included paints, caulks, glazing compounds, adhesives and other sealants/coatings. PCBs have been identified by the USEPA as a concern in caulk and glazing compounds. The USEPA has identified numerous cases where PCBs have been added to these and other materials between 1930 and 1979 to improve adhesion and flexibility.

The USEPA regulates the removal and disposal of PCB-containing materials if the concentration of PCB's are found to contain equal to or greater than fifty (50) parts-per-million (ppm). The USEPA also regulates soil and adjacent substrate materials contaminated by PCB-containing materials containing greater than or equal to fifty (50) ppm if the soil or substrates contain greater than one (1) ppm PCB.

The DEEP regulates the removal and disposal of source materials, soil, or substrate materials with PCB concentrations in excess of one (1) ppm. Materials with PCB concentrations less than one (1) ppm are not regulated by USEPA or DEEP and their unrestricted use or disposal with regard to PCB is not subject to State or Federal Regulation.

2.4 Universal Waste Materials and Other Environmental Concerns

2.4.1 Polychlorinated Biphenyls (PCB) and Di-ethylhexlpthalate (DEHP) Containing Items

PCB and DEHP lighting ballasts and electrical equipment, including capacitors and switches that contain PCBs, are regulated under the Toxic Substances Control Act of 1976 (TSCA) which bans the manufacturing and distribution of PCBs and regulates their storage and disposal.

PCBs and DEHP can be found in a number of items, including lighting ballast and electrical equipment, including capacitors and switches. DEHP and PCB-containing items such as these must be managed and disposed of in accordance with special requirements. A visual inspection for PCB and DEHP containing items was performed at the site building.

2.4.2 Mercury Containing Items

Fluorescent lamps, thermostats, mercury switches, manometers, natural gas meters and other items can contain enough mercury to be classified as a special waste, and therefore may not be disposed of as regular construction debris. The mercury and mercury vapors associated with these products must be reclaimed

prior to disposal or recycling of the products. A visual inspection for the presence of fluorescent lamps, thermostats and switches potentially containing mercury was performed at the site building.

2.4.3 Used Electronics and Batteries

Used electronics and batteries may contain enough lead, mercury, cadmium or acid electrolytes to be classified as universal waste. In such cases, they may not be disposed of as regular construction debris. A visual inspection for the presence of used electronic devices was performed at the site building.

2.4.4 Chlorofluorocarbons

Freon gas includes a number of gaseous, colorless chlorofluorocarbons (CFCs) that are commonly used as refrigerants. Freon is listed as a controlled substance by governments around the world. In the United States, the USEPA regulates the emission of Freon gas into the atmosphere due to its ozone depleting capabilities. Through Title VI, Stratospheric Ozone Protection, of the Clean Air Act Amendments of 1990, the USEPA regulates Freon gas and requires mandatory recycling and a ban on the intentional venting or releasing of refrigerants during maintenance, service and or repair. A visual inspection for the presence of building materials potentially containing Freon was performed at the site building.

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 including the roofing systems. Semi-destructive testing techniques were utilized during the inspection process. This included cutting through various layers of flooring and roofing materials to verify and sample individual layers of suspect ACM. Suspect building materials that are inaccessible for inspection and sampling are assumed to be ACM for the purpose of this report. These suspect materials are generally located in operational equipment, behind rigid walls and ceilings, below rubber roof membranes or otherwise concealed areas of the building, including below grade materials.

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 matrices. 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. None of the samples were further analyzed by the PLM Point Count Method for this project.

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. None of the samples were further analyzed by the NOB TEM Method for this project.

3.2 Lead-based Paint

3.2.1 X-Ray Fluorescence Screen

The lead-based paint screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 3611 within the limits of the inspection area(s). The screen includes only accessible areas within the inspection area(s) and accessible building materials.

The lead-based paint screen includes testing limited components and or surfaces throughout the structure. It is not the intent to test all painted components, but to identify on a broad scale the impact of lead paint as it relates to the disposal of lead paint contaminated debris and potential worker exposure issues. Generally, wall and ceiling surfaces, painted floors, window and door systems are tested. Other components such as baseboards, cabinets, columns, trim, etc. are tested on a limited basis. 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, the XRF results are separated into two (2) categories; high levels of lead (≥1.0 mg/cm^2) and low levels of lead (<1.0 mg/cm^2). Building materials containing high levels of lead have a greater probability of creating worker exposures during construction than do building materials with low levels of lead. Additionally, lead waste characterization sampling is required for building materials containing high levels of lead (≥1.0 mg/cm^2) and will become a waste product as a result of demolition or renovation activities.

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CRF 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.

3.2.2 Lead Waste Characterization

The State of Connecticut Department of Energy and Environmental Protection 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).

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. Building debris containing equal to or greater than 1.0 mg/cm^2 of lead by XRF requires waste classification analysis.

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.

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 Energy and 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 and will become a waste product.

Sample and Demolish Method

The Composite Sample and Demolish Method of TCLP sampling is conducted in accordance with the State of Connecticut Department of Energy and 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 total amount of leachable lead 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.

3.3 Polychlorinated Biphenyls (PCB) in Bulk Source Materials

3.3.1 Visual Inspection

Eagle performed a visual inspection only of suspect PCB containing materials at the building. An inventory of suspect PCB-containing materials was developed for the building. These materials were assumed to contain PCB's in concentrations exceeding 50 parts per million (ppm). Materials assumed to contain PCB's that will be impacted by the renovation or demolition activities

must be treated as a bulk product waste and properly disposed of if impacted during construction activities.

3.4 Universal Waste Materials and Other Environmental Concerns

3.4.1 PCB and Di-ethylhexlpthalate (DEHP) Containing Items

A visual inspection for the presence of lighting ballasts and electrical equipment potentially containing PCB's or DEHP was performed within the inspection areas. Lighting ballasts and oil-filled capacitor manufactured after 1979 may have "NO PCB's" stamped on its casing. These are filled with oil which does not contain PCB's but may contain DEHP. Lighting ballasts and Capacitors with date stamps prior to 1979 or no date stamps are assumed to contain PCB's. Lighting ballasts and capacitors labeled as "No PCB's" are assumed to contain DEHP if the date stamp is illegible or non-existent. Electronic ballasts are not assumed to contain PCB's or DEHP.

3.4.2 Mercury Containing Items

During the visual inspection process, fluorescent, metal halide and sodium lamps are assumed to contain mercury vapors. Thermostatic controls, switches, manometers, capacitors and other used electronic components are inventoried during the inspection process.

3.4.3 Used Electronics and Batteries

An inventory of used electronics that may fall under the Universal Waste regulations was developed during the inspection. These materials include but are not limited to lead acid batteries in emergency lighting and exit signs and stored electronic equipment that may contain hazardous or regulated substances. Electronic components such as computers, copy machines, etc that are in use at the time of the inspection are generally not included in the inventory.

3.4.4 Chlorofluorocarbons

Eagle inspected the building for compressor tanks associated with water fountains, portable air conditioning units, the indoor environmental cooling system and walk-in coolers or freezers where applicable. The inspectors also inspected rooftop HVAC units where present. These tanks are all assumed to contain Freon. The size and quantity of tanks are estimated and recorded.

4. INSPECTION RESULTS

4.1 Asbestos Containing Materials

During the course of the building inspection sixty-four (64) bulk samples of suspect ACM were collected and fifty-seven (57) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

From the fifty-seven (57) samples analyzed, the materials listed below were found to be ACM:

- Dark brown wall panel adhesive
- White furnace burner gun gasket

- White fiberboard (behind metal wall sheeting and under furnace)
- White fibrous washers (inside furnace)
- White caulk at storm window/screen junction
- Grey roofing tar at round vents, exhaust stack and chimney
- Silver paint on round vents

The following material was not sampled and is assumed to be ACM:

- Gasket at furnace firebox site windows

The remaining suspect materials were confirmed to be non-ACM.

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

Any suspect material not specifically identified in this report as non-ACM should be assumed to contain asbestos unless sample results prove otherwise. Eagle recommends that a project specification for asbestos abatement be prepared to further clarify the type, location and quantity of ACM requiring abatement. This report is not intended to serve as a scope of work or technical specification for asbestos abatement.

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

State of Connecticut Regulatory Notification Requirements

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) calendar 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.

United States Environmental Protection Agency Notification Requirements

As of December 14, 2017, the facility owner/operator must provide a notification of demolition and renovation under the USEPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation 40 CFR Part 61 Subpart M. The facility owner

must submit notification to the USEPA for all demolition projects ten (10) working days prior to all demolition projects, which fall under the NESHAP regulation regardless of the presence of asbestos-containing materials. The facility owner must also provide notification to the USEPA for all renovation project ten (10) working days prior to all renovation projects involving greater than one hundred sixty (160) square feet or greater than two hundred sixty (260) linear feet or thirty-five (35) cubic feet of regulated asbestos-containing materials.

State and federal notifications are completely independent of one another and both regulatory agencies must be notified when applicable.

4.2 Lead-based Paint

4.2.1 X-Ray Fluorescence Screen

A total of eighty-four (84) XRF readings were collected during the lead-based paint screen of the building. From the eighty-four (84) readings, fifty-five (55) were found to contain high levels of lead.

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

- Room 1-01 (office) wood floor, wall beam, baseboard, window and door components
- Room 1-02 (hallway) particle board wall, wood baseboard, window components and cabinet door
- Room 1-03 (bathroom) vinyl floor, ceiling, wall and door threshold
- Room 1-04 (toy storage) wood walls and door header
- Room 1-05 (storage) wood walls
- Room 1-07 (garage 1) wood and brick walls, wood door casing and door jamb
- Room 1-08 (garage 2) wood and brick wall beams, wood ceiling beams, pipes, metal window sash and wood door casing
- Room 1-09 (janitor room) wood floor, door casing, wall, door, window sill and metal window sash
- Room 1-10 (work room) wood ceiling and ceiling support, door casing and stop, concrete stair treads and risers and metal stair railing
- Exterior wood window casings, soffit and window sashes

Additionally, several building materials were determined to contain low levels of lead in paint. Although these levels of lead in paint were less than 1.0 mg/cm^2, the contractor must perform an exposure assessment on employees during tasks that disturb the painted materials.

The remaining components and surfaces that were tested contain no lead in their respective paint coatings.

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. This "initial exposure assessment" must be conducted by trained workers utilizing

appropriate personal protective equipment. Exposure assessments must be conducted for each task where painted surfaces or components are disturbed.

Examples of task subject to initial monitoring when detectable levels of lead are identified include but are not limited to surface preparation for repainting, manual demolition of components with detectable levels of lead paint and the welding, cutting or grinding of steel with detectable levels of lead in paint.

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

4.2.2 Lead Waste Characterization Results

One (1) composite TCLP sample was collected and analyzed for waste characterization purposes assuming the complete demolition of the building. The waste streams identified and anticipated to be generated as a result of the demolition work include the following: negative wood, positive wood, negative sheetrock, positive fiberboard, negative ceiling tiles, positive vinyl sheet flooring and negative roofing. Metal and masonry components were not included in the whole building composite sample since these materials are generally recycled.

The result of the TCLP sample representative of the whole building waste stream was 1.13 mg/L characterizing the material as non-hazardous solid waste.

One (1) additional TCLP sample was collected for waste characterization purposes utilizing the Screen, Sample and Segregate Method. The painted masonry walls and stairs were identified as a lead-containing waste stream that may require segregation during demolition activities. Masonry containing lead-based paint has specific disposal restrictions and cannot be used as a clean fill material. Masonry containing lead-based paint, which fails the TCLP, is characterized as hazardous lead waste. Masonry containing lead-based paint, which passes the TCLP test, may be used as roadbed material, recycled aggregate, or disposed of as a non-hazardous bulky waste. The result of the TCLP sample representing the painted masonry components was 6.83 mg/L characterizing these components as a hazardous lead waste.

Metal components may be recycled at an approved recycling facility.

The TCLP laboratory reports and computation tables are provided in Appendix 4.

4.3 PCB Inspection Results Summary

Eagle identified several suspect PCB containing materials that were not tested for PCB content at the building. These potential PCB-containing materials include the following:

- Paints on masonry, wood and metal components
- Wall panel adhesive
- Sheet flooring adhesive
- Interior caulk at brick columns
- Window glazing compound – steel sashes (2 types)
- Window glazing compound – double hung sashes (2 types)
- Caulk at T-111
- Asphalt shingles and felts
- Caulk at storm screens

These materials will require waste characterization testing prior to building demolition or if they will be impacted by the renovation activities.

4.4 Universal Waste Materials and Other Environmental Concerns

4.4.1 PCB and Di-ethylhexlpthalate (DEHP) Containing Items

There were no PCB or DEHP containing lighting ballasts identified during the inspection.

Six (6) capacitors potentially containing dielectric fluid were identified during the inspection. The capacitors must be removed for proper recycling prior to building demolition or if they will be impacted by renovation activities.

Seven (7) electronic ballasts were identified during the inspection. No further action is required for the electronic ballasts.

The associated inspection data is provided in Table III.

4.4.2 Mercury Containing Items

Approximately one hundred fifty-three (153) linear feet of fluorescent light tubes were identified during the inspection. There were no mercury containing thermostats identified during the inspection. The fluorescent light tubes must be removed from the building for proper recycling prior to building demolition or if they will be impacted by renovation activities.

The associated inspection data is provided in Table III.

4.4.3 Used Electronics and Batteries

A total of three (3) emergency lights containing lead-acid batteries were identified during the inspection. The batteries must be removed from the building for proper recycling prior to building demolition or if they will be impacted by renovation activities.

The associated inspection data is provided in Table III.

4.4.4 Chlorofluorocarbons

There were five (5) window AC units potentially containing a Freon tank identified during the inspection. The Freon must be reclaimed prior to building demolition or if the tanks will become a waste product during renovation activities.

5. COST ESTIMATES

This is a budgetary opinion of cost that is expected to be within -15 to + 30 percent of the actual cost for the complete removal of all identified materials. 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 5.

TABLE I

ASBESTOS CONTAINING MATERIALS SUMMARY TABLE

KEY FOR TABLES I and II

*** Please utilize the following key for abbreviations used in Tables I and II**

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 I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
1-01	Wall panal adhesive - dark brown	06-21-RF-58	MISC	3% Chrys			YES	500 SF	N/F
		06-21-RF-59		DNA					
1-07, 1-10	Furnace burner gun gasket - white	06-21-RF-64	MISC	20% Chrys			YES	2 SF	F
		06-21-RF-65		DNA					
1-07	Fiberboard - white (behind metal wall sheeting)	06-21-RF-66	MISC	35% Chrys			YES	170 SF	F
		06-21-RF-67		DNA					
1-10	Fiberboard - white (under furnace)	06-21-RF-66	MISC	35% Chrys			YES	50 SF	F
		06-21-RF-67		DNA					
1-07, 1-10	Fibrous washers - white (inside furnace)	06-21-RF-68	MISC	35% Chrys			YES	2 SF	F
		06-21-RF-69		DNA					
Façades A, B. D	Caulk at storm window/screen junction - white	06-21-RF-90	MISC	5% Chrys			YES	240 LF	N/F
		06-21-RF-91		DNA					
Roof 1	Roofing tar - grey	06-21-RF-100	MISC	15% Chrys			YES	20 SF	N/F
		06-21-RF-101		DNA					
Roof 2	Roofing tar - (grey) at round vents	06-21-RF-100	MISC	15% Chrys			YES	15 SF	N/F
		06-21-RF-101		DNA					
Roof 2	Roofing tar - (grey) at exhaust stack	06-21-RF-100	MISC	15% Chrys			YES	3 SF	N/F
		06-21-RF-101		DNA					
Roof 2	Roofing tar - (grey) at chimney	06-21-RF-100	MISC	15% Chrys			YES	6 SF	N/F
		06-21-RF-101		DNA					
Roof 2	Paint on round vents - silver	06-21-RF-110	MISC	5% Chrys			YES	24 SF	N/F
		06-21-RF-111		DNA					
1-07, 1-10	Gasket at furnace firebox site window	Assume	MISC	Assume			Assume	2 @ 0.25 SF EA	F

TABLE II

NON-ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

KEY FOR TABLES I and II

*** Please utilize the following key for abbreviations used in Tables I and II**

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
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
1-01	Sheet flooring mastic - grey	06-21-RF-54	MISC	NAD			NO
		06-21-RF-55		NAD			
1-01	Sheet flooring - brown	06-21-RF-56	MISC	NAD			NO
		06-21-RF-57		NAD			
1-01	Particle board ceiling - tan	06-21-RF-60	MISC	NAD			NO
		06-21-RF-61		NAD			
1-01	4' x 2' Acoustical ceiling tile - white	06-21-RF-62	MISC	NAD			NO
		06-21-RF-63		NAD			
1-07	Furnace flue cement - grey	06-21-RF-70	MISC	NAD			NO
		06-21-RF-71		NAD			
1-08	Joint compound - type 3 ("A" wall)	06-21-RF-72	MISC	NAD			NO
		06-21-RF-73		NAD			
1-08	Sheetrock - type 3	06-21-RF-74	MISC	NAD			NO
		06-21-RF-75		NAD			
1-08	Caulk at brick columns - red	06-21-RF-76	MISC	NAD			NO
		06-21-RF-77		NAD			
1-08	Window glazing compound steel sash - original white	06-21-RF-78	MISC	NAD			NO
		06-21-RF-79		NAD			
1-08	Window glazing compound steel sash - repair yellow	06-21-RF-80	MISC	NAD			NO
		06-21-RF-81		NAD			
1-10	Window glazing compound double hung wood sash - yellow	06-21-RF-82	MISC	NAD			NO
		06-21-RF-83		NAD			
1-11	Particle board type 2 - grey	06-21-RF-84	MISC	NAD			NO
		06-21-RF-85		NAD			
Façade A	Window glazing compound double hung wood sash - original white	06-21-RF-86	MISC	NAD			NO
		06-21-RF-87		NAD			
Façade A	Window glazing compound double hung wood sash - repair yellow	06-21-RF-88	MISC	NAD			NO
		06-21-RF-89		NAD			
Façade C	Caulk at T-III bottom seam - white	06-21-RF-92	MISC	NAD			NO
		06-21-RF-93		NAD			
Roof 1	Top layer asphalt shingle - grey	06-21-RF-94	MISC	NAD			NO
		06-21-RF-95		NAD			
Roof 1	Bottom layer asphalt shingle - black	06-21-RF-96	MISC	NAD			NO
		06-21-RF-97		NAD			
Roof 1	Felt under wood shake - black	06-21-RF-98	MISC	NAD			NO
		06-21-RF-99		NAD			

TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Roofs 2, 3	Top layer modified felts - black	06-21-RF-102	MISC	NAD			NO
		06-21-RF-103		NAD			
Roofs 4, 5	Middle layer built up felts - black	06-21-RF-104	MISC	NAD			NO
		06-21-RF-105		NAD			
Roofs 6, 7	Bottom layer single felt - black	06-21-RF-106	MISC	NAD			NO
		06-21-RF-107		NAD			
Roof 1	Tar in valley - black	06-21-RF-108	MISC	NAD			NO
		06-21-RF-109		NAD			
1-05	Sheetrock type 1	06-21-RF-112	MISC	NAD			NO
		06-21-RF-113		NAD			
1-07	Sheetrock type 2	06-21-RF-114	MISC	NAD			NO
		06-21-RF-115		NAD			
1-07	Joint compound type 2	06-21-RF-116	MISC	NAD			NO
		06-21-RF-117		NAD			

TABLE III

UNIVERSAL WASTE MATERIALS SUMMARY TABLE

TABLE III
UNIVERSAL WASTE PRODUCTS
SUMMARY TABLE
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, CONNECTICUT

ROOM	FIXTURE TYPE	BALLAST TYPE			ELECTRONICS			THERMO-STATS	LAMPS			BATTERIES		
		PCB	DEHP	ELEC.	SPENT	CAPACITORS	CFCS		LF	ROUND	U SHAPE	FA	ES	ELS
1-01				4			1 @ A/C		32					
1-02						1 @ fan								
1-03														
1-04				2					8					
1-05						1 @ fan								
1-06				1					8					
1-07									65					
1-08						4 @ fan	4 @ A/C		32			1	2	
1-09									8					
1-10														
TOTAL			**0**	**7**	**0**	**6**	**5**	**0**	**153**	**0**	**0**	**1**	**2**	**0**

NOTES

KEYS: **HALO = Halogen / CF = Compact Fluorescent / FA = Fire Alarm / ES = Exit Sign / ELS = Emergency Lighting System**

FIXTURE TYPE DESCRIPTION

APPENDIX 1

FLOOR PLANS AND ROOF PLANS WITH SAMPLE LOCATION DIAGRAMS

TOWN OF EAST HADDAM

FORMER TOWN GARAGE

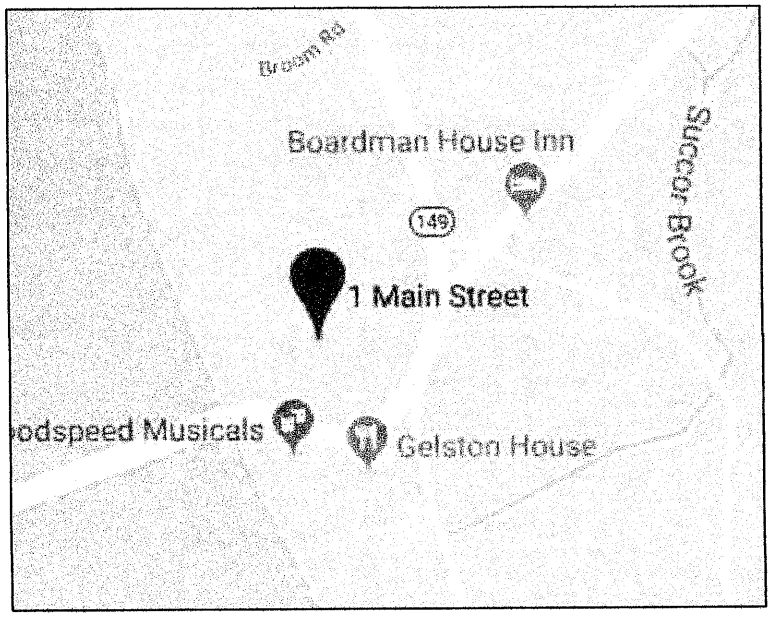
1 MAIN STREET

EAST HADDAM, CONNECTICUT

EAGLE PROJECT NUMBER: 18-144.10T2

INDEX OF DRAWINGS

LOCATION MAP



JULY 9, 2018

EAGLE Environmental, Inc.

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

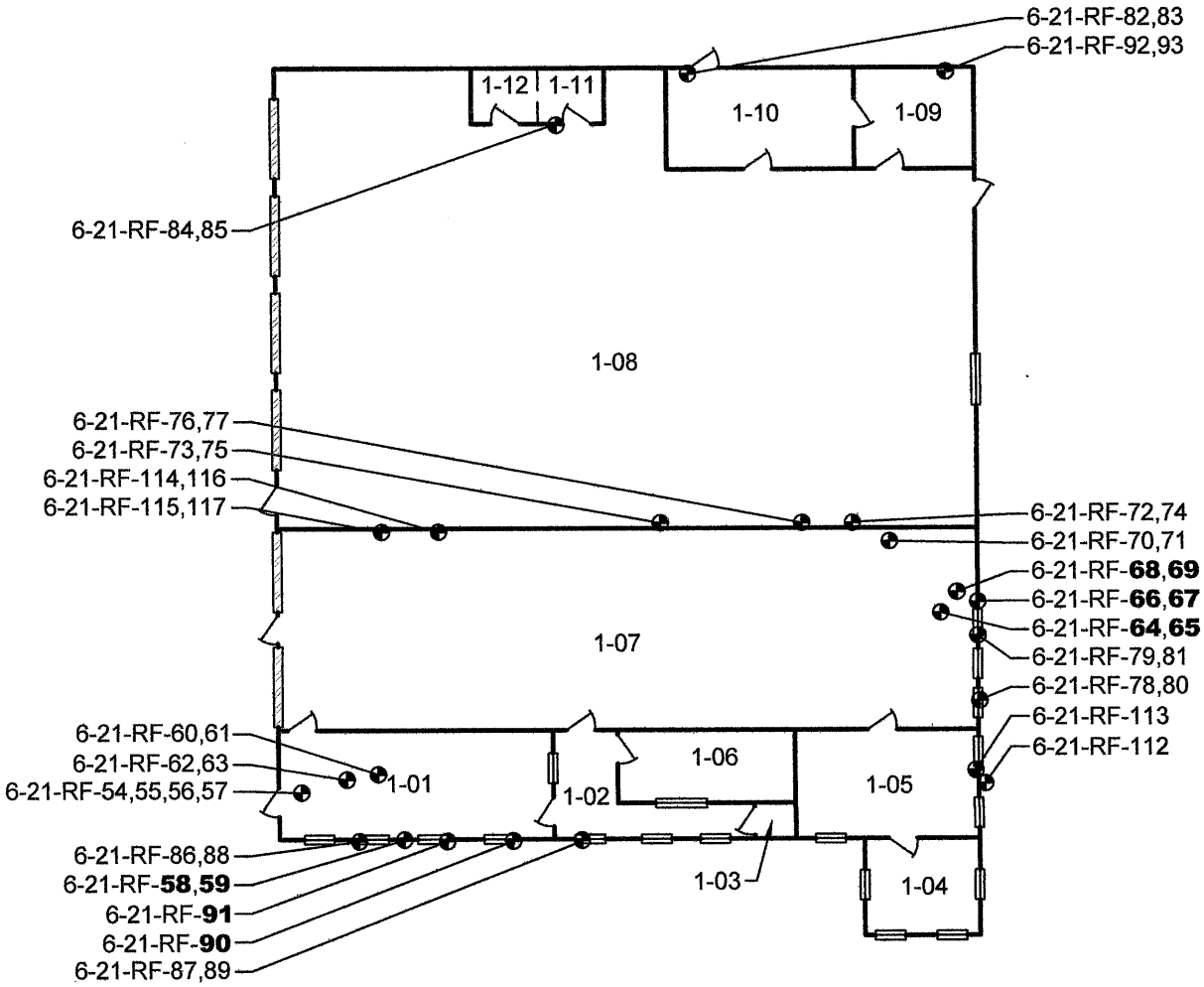
\\Eaglesvr\public\2018 Files\2018 AutoCAD\EAST HADDAM, TOWN OF\1 MAIN STREET\FORMER TOWN GARAGE\INSPECTION\CAD\1 MAIN STREET.dwg

SIDE-C

SAMPLE KEY:

6-21-RF-## = ASBESTOS SAMPLE LOCATION AND NUMBER

BOLDED SAMPLE NUMBERS
INDICATE PRESENCE OF ASBESTOS IN CONCENTRATIONS GREATER THAN 1% WITHIN SAMPLE SET.



SIDE-B

SIDE-D

GROUND FLOOR

NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

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

SHEET NO.

FP-1

SHEET 1 OF 2

DATE: 07/09/2018
PROJECT NO.: 18-144.10T2
DRAWN BY: BB
REVIEWED BY: CL

HAZARDOUS BUILDING MATERIALS INSPECTION
TOWN OF EAST HADDAM
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, CONNECTICUT

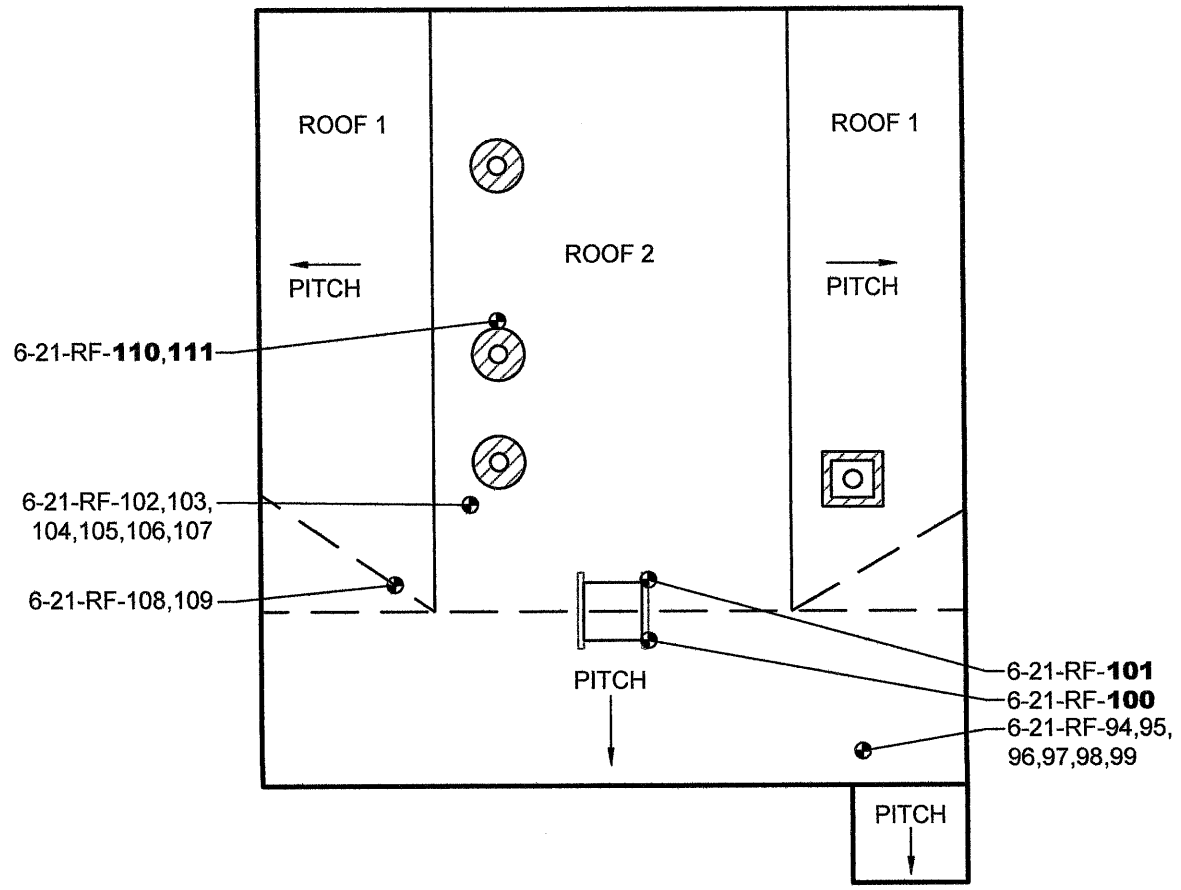
\\eaglesvr\public\2018 files\2018 autocad\east haddam, town of\1 main street\former town garage\inspection\cad\1 main street.dwg

SIDE-C

SAMPLE KEY:

6-21-RF-## = ASBESTOS SAMPLE LOCATION AND NUMBER

BOLDED SAMPLE NUMBERS
INDICATE PRESENCE OF ASBESTOS IN CONCENTRATIONS GREATER THAN 1% WITHIN SAMPLE SET.



SIDE-B

SIDE-D

ROOF

NOT TO SCALE

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

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

SHEET NO.

RP-1

SHEET 2 OF 2

DATE: 07/09/2018
PROJECT NO.: 18-144.10T2
DRAWN BY: BB
REVIEWED BY: CL

HAZARDOUS BUILDING MATERIALS INSPECTION
TOWN OF EAST HADDAM
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, CONNECTICUT

\\eaglesvr\public\2018 files\2018 autocad\east haddam, town of\1 main street\former town garage\inspection\cad\1 main street.dwg

APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Lab ID # 173190

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

Attn: Tammy Poitras

Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06-21-RF-54 *51816454PLM_1*	Sheet flooring mastic - grey	None Detected		100% Other	Gray, Brown Non Fibrous Heterogeneous Dissolved
06-21-RF-55 *51816454PLM_2*	Sheet flooring mastic - grey	None Detected		100% Other	Gray, Brown Non Fibrous Heterogeneous Dissolved
06-21-RF-56 *51816454PLM_3*	Sheet flooring - brown	None Detected	35% Cellulose	65% Other	Brown Fibrous Homogeneous Teased, Dissolved
06-21-RF-57 *51816454PLM_4*	Sheet flooring - brown	None Detected	35% Cellulose	65% Other	Brown Fibrous Homogeneous Teased, Dissolved
06-21-RF-58 *51816454PLM_5*	Wall panal adhesive - dark brown	3% Chrysotile		97% Other	Brown Non Fibrous Homogeneous Dissolved
06-21-RF-59 *51816454PLM_6*	Wall panal adhesive - dark brown	Not Analyzed			
06-21-RF-60 *51816454PLM_7*	Particle board ceiling - tan	None Detected	90% Cellulose	10% Other	Brown Fibrous Homogeneous Teased
06-21-RF-61 *51816454PLM_8*	Particle board ceiling - tan	None Detected	90% Cellulose	10% Other	Brown Fibrous Homogeneous Teased

Charmel Dozier (64)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Lab ID # 173190

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Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
06-21-RF-62	4' x 2' Acoustical ceiling tile - white	None Detected	50% Mineral Wool 30% Cellulose	20% Other	White Fibrous Homogeneous
51816454PLM_9					Teased
06-21-RF-63	4' x 2' Acoustical ceiling tile - white	None Detected	50% Mineral Wool 30% Cellulose	20% Other	White Fibrous Homogeneous
51816454PLM_10					Teased
06-21-RF-64	Furnace burner gun gasket - white	20% Chrysotile	10% Cellulose	70% Other	White Fibrous Homogeneous
51816454PLM_11					Teased
06-21-RF-65	Furnace burner gun gasket - white	Not Analyzed			
51816454PLM_12					
06-21-RF-66	Fiberboard - white	35% Chrysotile		65% Other	White Fibrous Homogeneous
51816454PLM_13					Teased
06-21-RF-67	Fiberboard - white	Not Analyzed			
51816454PLM_14					
06-21-RF-68	Fibrous washers - white	35% Chrysotile	10% Cellulose	55% Other	White Fibrous Homogeneous
51816454PLM_15					Teased
06-21-RF-69	Fibrous washers - white	Not Analyzed			
51816454PLM_16					

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Charmel Dozier (64)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Lab ID # 173190

Customer: Eagle Environmental, Inc
8 South Main Street
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Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06-21-RF-70 *51816454PLM_17*	Furnace flue cement - grey	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
06-21-RF-71 *51816454PLM_18*	Furnace flue cement - grey	**None Detected**	**30% Wollastonite**	**70% Other**	Gray Non Fibrous Heterogeneous Crushed
06-21-RF-72 *51816454PLM_19*	Joint compound - type 3 "A" wall	**None Detected**		**100% Other**	Gold Non Fibrous Homogeneous Crushed
06-21-RF-73 *51816454PLM_20*	Joint compound - type 3 "A" wall	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
06-21-RF-74 *51816454PLM_21*	Sheetrock	**None Detected**	**5% Cellulose** **2% Fiber Glass**	**93% Other**	White Non Fibrous Homogeneous Crushed
06-21-RF-75 *51816454PLM_22*	Sheetrock	**None Detected**	**5% Cellulose** **2% Fiber Glass**	**93% Other**	White Non Fibrous Homogeneous Crushed
06-21-RF-76 *51816454PLM_23*	Caulk at brick columns - red	**None Detected**		**100% Other**	Red Non Fibrous Homogeneous Crushed
06-21-RF-77 *51816454PLM_24*	Caulk at brick columns - red	**None Detected**		**100% Other**	Red Non Fibrous Homogeneous Crushed

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Charmel Dozier (64)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Customer: Eagle Environmental, Inc
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Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06-21-RF-78 *51816454PLM_25*	Window glazing compound steel sash - orig white	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
06-21-RF-79 *51816454PLM_26*	Window glazing compound steel sash - orig white	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
06-21-RF-80 *51816454PLM_27*	Window glazing compound steel sash - repair yellow	None Detected		100% Other	Yellow Non Fibrous Homogeneous Dissolved
06-21-RF-81 *51816454PLM_28*	Window glazing compound steel sash - repair yellow	None Detected		100% Other	Yellow Non Fibrous Homogeneous Dissolved
06-21-RF-82 *51816454PLM_29*	Window glazing compound dbl hung wd sash - yellow	None Detected		100% Other	Yellow Non Fibrous Homogeneous Dissolved
06-21-RF-83 *51816454PLM_30*	Window glazing compound dbl hung wd sash - yellow	None Detected		100% Other	Yellow Non Fibrous Homogeneous Dissolved
06-21-RF-84 *51816454PLM_31*	Particle board 2 - grey	None Detected	90% Cellulose	10% Other	Gray Fibrous Homogeneous Teased
06-21-RF-85 *51816454PLM_32*	Particle board 2 - grey	None Detected	90% Cellulose	10% Other	Gray Fibrous Homogeneous Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (64)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Lab ID # 173190

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

Attn: Tammy Poitras

Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06-21-RF-86 *51816454PLM_33*	Window glazing comp dbl hung wd sash - orig white	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
06-21-RF-87 *51816454PLM_34*	Window glazing comp dbl hung wd sash - orig white	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
06-21-RF-88 *51816454PLM_35*	Window glazing comp dbl hung wd sash - repair ylw	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
06-21-RF-89 *51816454PLM_36*	Window glazing comp dbl hung wd sash - repair ylw	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
06-21-RF-90 *51816454PLM_37*	Caulk at storm window/screen - white	5% Chrysotile		95% Other	White Non Fibrous Homogeneous Dissolved
06-21-RF-91 *51816454PLM_38*	Caulk at storm window/screen - white	Not Analyzed			
06-21-RF-92 *51816454PLM_39*	Caulk at T-III bottom seam - white	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
06-21-RF-93 *51816454PLM_40*	Caulk at T-III bottom seam - white	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved

Charmel Dozier (64)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

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8 South Main Street
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Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
06-21-RF-94	Top layer asphalt shingle - grey	None Detected	25% Cellulose	75% Other	Gray Fibrous Homogeneous
51816454PLM_41					Dissolved
06-21-RF-95	Top layer asphalt shingle - grey	None Detected	25% Cellulose	75% Other	Gray Fibrous Homogeneous
51816454PLM_42					Dissolved
06-21-RF-96	Bottom layer asphalt shingle - black	None Detected	25% Cellulose	75% Other	Black Fibrous Homogeneous
51816454PLM_43					Dissolved
06-21-RF-97	Bottom layer asphalt shingle - black	None Detected	25% Cellulose	75% Other	Black Fibrous Homogeneous
51816454PLM_44					Dissolved
06-21-RF-98	Felt inder wood shake - black	None Detected	65% Cellulose	35% Other	Black Fibrous Homogeneous
51816454PLM_45					Dissolved
06-21-RF-99	Felt inder wood shake - black	None Detected	65% Cellulose	35% Other	Black Fibrous Homogeneous
51816454PLM_46					Dissolved
06-21-RF-100	Roofing tar - grey	15% Chrysotile	5% Cellulose	80% Other	Black, Gray Fibrous Homogeneous
51816454PLM_47					Dissolved
06-21-RF-101	Roofing tar - grey	Not Analyzed			
51816454PLM_48					

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Charmel Dozier (64)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Lab ID # 173190

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

Attn: Tammy Poitras

Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06-21-RF-102 *51816454PLM_49*	Top layer modified felts - black	None Detected	20% Synthetic Fibers	80% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-103 *51816454PLM_50*	Top layer modified felts - black	None Detected	20% Synthetic Fibers	80% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-104 *51816454PLM_51*	Middle layer built up felts - black	None Detected	75% Cellulose	25% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-105 *51816454PLM_52*	Middle layer built up felts - black	None Detected	75% Cellulose	25% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-106 *51816454PLM_53*	Bottom layer single felt - black	None Detected	25% Cellulose	75% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-107 *51816454PLM_54*	Bottom layer single felt - black	None Detected	25% Cellulose	75% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-108 *51816454PLM_55*	Tar in valley - black	None Detected	25% Cellulose	75% Other	Black Fibrous Homogeneous Dissolved
06-21-RF-109 *51816454PLM_56*	Tar in valley - black	None Detected	25% Cellulose	75% Other	Black Fibrous Homogeneous Dissolved

Charmel Dozier (64)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

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

Attn: Tammy Poitras

Project: Town of E Haddam-Garage-1 Main St

Lab Order ID: 51816454
Analysis ID: 51816454_PLM
Date Received: 6/30/2018
Date Reported: 7/2/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06-21-RF-110 *51816454PLM_57*	Paint on round vent - silver	**5% Chrysotile**		**95% Other**	Silver Non Fibrous Homogeneous Dissolved
06-21-RF-111 *51816454PLM_58*	Paint on round vent - silver	**Not Analyzed**			
06-21-RF-112 *51816454PLM_59*	Sheetrock 1	**None Detected**	**15% Cellulose**	**85% Other**	White Fibrous Homogeneous Crushed
06-21-RF-113 *51816454PLM_60*	Sheetrock 1	**None Detected**	**15% Cellulose**	**85% Other**	White Fibrous Homogeneous Crushed
06-21-RF-114 *51816454PLM_61*	Sheetrock 2	**None Detected**	**15% Cellulose** **2% Fiber Glass**	**83% Other**	White Fibrous Homogeneous Crushed
06-21-RF-115 *51816454PLM_62*	Sheetrock 2	**None Detected**	**15% Cellulose** **2% Fiber Glass**	**83% Other**	White Fibrous Homogeneous Crushed
06-21-RF-116 *51816454PLM_63*	Joint compound 2	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
06-21-RF-117 *51816454PLM_64*	Joint compound 2	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (64)

Analyst

Approved Signatory

64 samples

6181045H

Client:	Eagle Environmental, Inc
Contact:	Tammy Poitras
Address:	8 South Main Street
Phone:	860-589-8257 x110
Fax:	860-585-7034
Email:	tpoitras@eagleenviro.com
Project:	Town of E Haddam-Garage-1 Main S
Client Notes:	**Stop on 1st Positve**
P.O. #:	18-144.10T2
Date Submitted:	6/22/2018 0:00
Analysis:	PLM: Bulk 600/R-93/116
TurnAroundTime:	24 Hour

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
06-21-RF-54	1-01	Sheet flooring mastic - grey	[Enter data of your choosing here]
06-21-RF-55	1-01	Sheet flooring mastic - grey	[Enter data of your choosing here]
06-21-RF-56	1-01	Sheet flooring - brown	[Enter data of your choosing here]
06-21-RF-57	1-01	Sheet flooring - brown	[Enter data of your choosing here]
06-21-RF-58	1-01	Wall panal adhesive - dark brown	[Enter data of your choosing here]
06-21-RF-59	1-01	Wall panal adhesive - dark brown	[Enter data of your choosing here]
06-21-RF-60	1-01	Particle board ceiling - tan	[Enter data of your choosing here]
06-21-RF-61	1-01	Particle board ceiling - tan	[Enter data of your choosing here]
06-21-RF-62	1-01	4' x 2' Acoustical ceiling tile - white	[Enter data of your choosing here]
06-21-RF-63	1-01	4' x 2' Acoustical ceiling tile - white	[Enter data of your choosing here]
06-21-RF-64	1-07	Furnace burner gun gasket - white	[Enter data of your choosing here]
06-21-RF-65	1-07	Furnace burner gun gasket - white	[Enter data of your choosing here]
06-21-RF-66	1-07	Fiberboard - white	[Enter data of your choosing here]
06-21-RF-67	1-07	Fiberboard - white	[Enter data of your choosing here]
06-21-RF-68	1-07	Fibrous washers - white	[Enter data of your choosing here]
06-21-RF-69	1-07	Fibrous washers - white	[Enter data of your choosing here]
06-21-RF-70	1-07	Furnace flue cement - grey	[Enter data of your choosing here]
06-21-RF-71	1-07	Furnace flue cement - grey	[Enter data of your choosing here]

Relinquished By

Accepted ☑

Rejected ☐

Received By

6/30 10:30am

51816454

06-21-RF-72	1-08	Joint compound - type 3 "A" wall	[Enter data of your choosing here]
06-21-RF-73	1-08	Joint compound - type 3 "A" wall	[Enter data of your choosing here]
06-21-RF-74	1-08	Sheetrock	[Enter data of your choosing here]
06-21-RF-75	1-08	Sheetrock	[Enter data of your choosing here]
06-21-RF-76	1-08	Caulk at brick columns - red	[Enter data of your choosing here]
06-21-RF-77	1-08	Caulk at brick columns - red	[Enter data of your choosing here]
06-21-RF-78	1-08	Window glazing compound steel sash - orig white	[Enter data of your choosing here]
06-21-RF-79	1-08	Window glazing compound steel sash - orig white	[Enter data of your choosing here]
06-21-RF-80	1-08	Window glazing compound steel sash - repair yellow	[Enter data of your choosing here]
06-21-RF-81	1-08	Window glazing compound steel sash - repair yellow	[Enter data of your choosing here]
06-21-RF-82	1-10	Window glazing compound dbl hung wd sash - yellov	[Enter data of your choosing here]
06-21-RF-83	1-10	Window glazing compound dbl hung wd sash - yellov	[Enter data of your choosing here]
06-21-RF-84	1-11	Particle board 2 - grey	[Enter data of your choosing here]
06-21-RF-85	1-11	Particle board 2 - grey	[Enter data of your choosing here]
06-21-RF-86	Façade A	Window glazing comp dbl hung wd sash - orig white	[Enter data of your choosing here]
06-21-RF-87	Façade A	Window glazing comp dbl hung wd sash - orig white	[Enter data of your choosing here]
06-21-RF-88	Façade A	Window glazing comp dbl hung wd sash - repair ylw	[Enter data of your choosing here]
06-21-RF-89	Façade A	Window glazing comp dbl hung wd sash - repair ylw	[Enter data of your choosing here]
06-21-RF-90	Façade A	Caulk at storm window/screen - white	[Enter data of your choosing here]
06-21-RF-91	Façade A	Caulk at storm window/screen - white	[Enter data of your choosing here]
06-21-RF-92	Façade C	Caulk at T-III bottom seam - white	[Enter data of your choosing here]
06-21-RF-93	Façade C	Caulk at T-III bottom seam - white	[Enter data of your choosing here]
06-21-RF-94	Roof 1	Top layer asphalt shingle - grey	[Enter data of your choosing here]
06-21-RF-95	Roof 1	Top layer asphalt shingle - grey	[Enter data of your choosing here]
06-21-RF-96	Roof 1	Bottom layer asphalt shingle - black	[Enter data of your choosing here]
06-21-RF-97	Roof 1	Bottom layer asphalt shingle - black	[Enter data of your choosing here]
06-21-RF-98	Roof 1	Felt inder wood shake - black	[Enter data of your choosing here]
06-21-RF-99	Roof 1	Felt inder wood shake - black	[Enter data of your choosing here]
06-21-RF-100	Roof 1	Roofing tar - grey	[Enter data of your choosing here]
06-21-RF-101	Roof 1	Roofing tar - grey	[Enter data of your choosing here]
06-21-RF-102	Roof 2	Top layer modified felts - black	[Enter data of your choosing here]
06-21-RF-103	Roof 3	Top layer modified felts - black	[Enter data of your choosing here]
06-21-RF-104	Roof 4	Middle layer built up felts - black	[Enter data of your choosing here]
06-21-RF-105	Roof 5	Middle layer built up felts - black	[Enter data of your choosing here]
06-21-RF-106	Roof 6	Bottom layer single felt - black	[Enter data of your choosing here]
06-21-RF-107	Roof 7	Bottom layer single felt - black	[Enter data of your choosing here]

Relinquished By

Received By

06-21-RF-108	Roof 1	sel	Tar in valley - black
06-21-RF-109	Roof 1		Tar in valley - black
06-21-RF-110	Roof 2	sel	Paint on round vent - silver
06-21-RF-111	Roof 2		Paint on round vent - silver
06-21-RF-112	1-05	sel	Sheetrock 1
06-21-RF-113	1-05		Sheetrock 1
06-21-RF-114	1-07	sel	Sheetrock 2
06-21-RF-115	1-07		Sheetrock 2
06-21-RF-116	1-07	sel	Joint compound 2
06-21-RF-117	1-07		Joint compound 2

>>

5181104154

[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]
[Enter data of your choosing here]

Relinquished By

Received By

APPENDIX 3

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#03611 - 06/20/18 11:14

INSPECTION FOR: Mr. Ronald Turner, Direc. of Operation
Town of East Haddam
26 Plains Road, PO Box 401
Modus, Connecticut 06469

PERFORMED AT: Former Town Garage
1 Main Street
East Haddam, CT

INSPECTION DATE: 06/20/18

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 03611

ACTION LEVEL: 1.0 mg/cm^2

OPERATOR LICENSE: 002282

Lead Based-Paint Screen

SIGNED: _____ Date: 6/20/18

Alexis St. Hilaire
Lead Inspector
Eagle Environmental, Inc.
8 South Main Street, Suite #3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. Ronald Turner, Direc. of Operation

Inspection Date:	06/20/18	Former Town Garage
Report Date:	6/20/2018	1 Main Street
Abatement Level:	1.0	East Haddam, CT
Report No.	S#03611 - 06/20/18 11:14	
Total Readings:	84 Actionable: 55	
Job Started:	06/20/18 11:14	
Job Finished:	06/20/18 14:26	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 002 Facade B									
072	B	Window	Rgt	Casing	D	Wood	white	1.4	QM
073	B	Window	Rgt	Sash	D	Wood	white	1.6	QM
075	B	Window	Rgt	Sash	D	Metal	blue	1.0	QM
Exterior Room 004 Facade D									
078	D	Soffit	Lft		D	Wood	white	>9.9	QM
Interior Room 001 Office									
006	-	Floor	Rgt		D	Wood	red	1.4	QM
004	A	Wall	Ctr	Beam	I	Wood	green	>9.9	QM
005	A	Baseboard	Rgt		I	Wood	green	5.4	QM
007	A	Window	Rgt	Casing	D	Wood	white	>9.9	QM
008	A	Window	Rgt	Sash	D	Wood	white	3.9	QM
009	A	Window	Rgt	Sill	D	Wood	white	>9.9	QM
010	B	Door	Lft	Casing	D	Wood	white	>9.9	QM
011	B	Door	Lft	door	D	Wood	white	>9.9	QM
012	B	Door	Lft	Jamb	D	Wood	white	6.1	QM
013	B	Door	Lft	Stop	D	Wood	white	1.9	QM
Interior Room 002 Hallway									
015	A	Wall	Ctr		D	~~Plaster~~ Particle Bd	white	2.4	QM
016	A	Baseboard	Ctr		D	Wood	white	1.3	QM
021	A	Window	Rgt	Stop	D	Wood	white	>9.9	QM
020	A	Window	Rgt	Sash	D	Wood	white	6.7	QM
022	A	Window	Rgt	Apron	D	Wood	white	6.4	QM
018	B	Cabinet	Lft	Support	I	Wood	white	4.7	QM
019	B	Cabinet	Lft	Door	I	Wood	white	3.8	QM
Interior Room 003 Bathroom									
026	-	Floor	Lft		D	~~Wood~~ Vinyl	red	1.5	QM
023	-	Ceiling	Rgt		I	~~Wood~~ Particle Bd	white	6.4	QM
024	B	Wall	Rgt		D	Dry wall	white	2.3	QM
025	B	Door	Lft	Threshold	D	Wood	white	6.0	QM
Interior Room 004 toy storage									
028	C	Wall	L Lft		D	Wood	black	>9.9	QM
027	C	Wall	U Lft		D	Wood	white	>9.9	QM
030	C	Door	Rgt	Header	D	Wood	blue	>9.9	QM
Interior Room 005 Storage									

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. Ronald Turner, Direc. of Operation

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
033	A	Wall	Rgt	Beam	I	Wood	white	>9.9	QM
031	B	Wall	Rgt		D	Wood	white	>9.9	QM
Interior Room 006 Garage 1									
034	A	Wall	Ctr		I	Wood	white	9.0	QM
035	C	Wall	Ctr		I	Brick	white	1.7	QM
036	C	Wall	Rgt		D	Wood	blue	2.8	QM
037	C	Door	Ctr	Casing	D	Wood	blue	>9.9	QM
039	C	Door	Ctr	Jamb	D	Wood	white	9.2	QM
Interior Room 007 Garage 2									
042	A	Wall	Lft	Beam	I	Brick	black	3.8	QM
043	B	Wall	Lft	Beam	I	Wood	blue	>9.9	QM
047	B	Ceiling	Ctr	Beam	D	Wood	blue	>9.9	QM
048	B	Ceiling	Ctr	Beam	D	Wood	white	5.9	QM
046	C	Pipe	Lft		I	Metal	white	3.6	QM
044	D	Window	Rgt	Sash	D	Metal	white	3.7	QM
050	D	Door	Lft	Casing	D	Wood	blue	1.6	QM
Interior Room 008 janitor rm									
052	-	Floor	Lft		D	Wood	brown	1.0	QM
056	A	Door	Rgt	Casing	D	Wood	green	2.8	QM
051	B	Wall	Lft		D	Dry wall	green	4.0	QM
057	B	Door	Lft	door	D	Wood	green	1.6	QM
054	D	Window	Rgt	Sash	D	Metal	white	3.9	QM
055	D	Window	Rgt	Sill	D	Wood	green	5.5	QM
Interior Room 009 work rm									
059	-	Ceiling	Lft	Support	D	Wood	green	1.8	QM
060	-	Ceiling	Lft		D	Wood	green	3.6	QM
064	C	Door	Ctr	Casing	D	Wood	blue	>9.9	QM
065	C	Door	Ctr	Stop	D	Wood	blue	5.9	QM
061	C	Stairs	Ctr	Treads	D	Concrete	Yellow	8.4	QM
062	C	Stairs	Ctr	Risers	D	Concrete	multi	5.7	QM
063	C	Railing	Ctr	Railing	D	Steel	blue	3.9	QM

Calibration Readings

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Ronald Turner, Direc. of Operation

Inspection Date:	06/20/18	Former Town Garage
Report Date:	6/20/2018	1 Main Street
Abatement Level:	1.0	East Haddam, CT
Report No.	S#03611 - 06/20/18 11:14	
Total Readings:	84	
Job Started:	06/20/18 11:14	
Job Finished:	06/20/18 14:26	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
067	A	Siding	Lft		D	Wood	white	0.3	QM
068	A	Pipe	Lft		I	Metal	white	-0.1	QM
069	A	Window	Lft	Casing	D	Wood	white	-0.1	QM
070	A	Window	Lft	Sill	D	Wood	white	0.1	QM
Exterior Room 002 Facade B									
071	B	Siding	Lft		D	Wood	white	-0.1	QM
072	B	Window	Rgt	Casing	D	Wood	white	1.4	QM
073	B	Window	Rgt	Sash	D	Wood	white	1.6	QM
075	B	Window	Rgt	Sash	D	Metal	blue	1.0	QM
074	B	Window	Rgt	Sill	D	Wood	white	0.5	QM
076	B	Door	Rgt	door	D	Wood	white	0.4	QM
Exterior Room 003 Facade C									
077	C	Siding	Lft		D	Wood	white	-0.2	QM
Exterior Room 004 Facade D									
078	D	Soffit	Lft		D	Wood	white	>9.9	QM
081	D	Window	Rgt	Casing	D	Wood	white	0.7	QM
079	D	Door	Rgt	Casing	D	Wood	white	0.3	QM
080	D	Door	Rgt	Kickplate	D	Wood	white	0.0	QM
Interior Room 001 Office									
006	-	Floor	Rgt		D	Wood	red	1.4	QM
004	A	Wall	Ctr	Beam	I	Wood	green	>9.9	QM
005	A	Baseboard	Rgt		I	Wood	green	5.4	QM
007	A	Window	Rgt	Casing	D	Wood	white	>9.9	QM
008	A	Window	Rgt	Sash	D	Wood	white	3.9	QM
009	A	Window	Rgt	Sill	D	Wood	white	>9.9	QM
010	B	Door	Lft	Casing	D	Wood	white	>9.9	QM
011	B	Door	Lft	door	D	Wood	white	>9.9	QM
012	B	Door	Lft	Jamb	D	Wood	white	6.1	QM
013	B	Door	Lft	Stop	D	Wood	white	1.9	QM
014	D	Window	Lft	Casing	I	Wood	green	-0.1	QM
Interior Room 002 Hallway									
015	A	Wall	Ctr		D	~~Plaster~~ Particle bd	white	2.4	QM
016	A	Baseboard	Ctr		D	Wood	white	1.3	QM
021	A	Window	Rgt	Stop	D	Wood	white	>9.9	QM
020	A	Window	Rgt	Sash	D	Wood	white	6.7	QM
022	A	Window	Rgt	Apron	D	Wood	white	6.4	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Ronald Turner, Direc. of Operation

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
018	B	Cabinet	Lft	Support	I	Wood	white	4.7	QM
019	B	Cabinet	Lft	Door	I	Wood	white	3.8	QM
017	B	Door	Lft	Header	I	Wood	white	-0.4	QM
Interior Room 003 Bathroom									
026	-	Floor	Lft		D	~~Wood~~ Vinyl	red	1.5	QM
023	-	Ceiling	Rgt		I	~~Wood~~ Particle Bd	white	6.4	QM
024	B	Wall	Rgt		D	Dry wall	white	2.3	QM
025	B	Door	Lft	Threshold	D	Wood	white	6.0	QM
Interior Room 004 toy storage									
028	C	Wall	L Lft		D	Wood	black	>9.9	QM
027	C	Wall	U Lft		D	Wood	white	>9.9	QM
030	C	Door	Rgt	Header	D	Wood	blue	>9.9	QM
029	D	Window	Ctr	Sash	D	Wood	stain	-0.2	QM
Interior Room 005 Storage									
033	A	Wall	Rgt	Beam	I	Wood	white	>9.9	QM
031	B	Wall	Rgt		D	Wood	white	>9.9	QM
032	C	Wall	Rgt		D	Wood	white	-0.2	QM
Interior Room ~~006~~ 7 Garage 1									
034	A	Wall	Ctr		I	Wood	white	9.0	QM
035	C	Wall	Ctr		I	Brick	white	1.7	QM
036	C	Wall	Rgt		D	Wood	blue	2.8	QM
037	C	Door	Ctr	Casing	D	Wood	blue	>9.9	QM
038	C	Door	Ctr	door	D	Wood	white	0.0	QM
039	C	Door	Ctr	Jamb	D	Wood	white	9.2	QM
040	C	Door	Ctr	Stop	D	Wood	white	0.5	QM
Interior Room ~~007~~ 8 Garage 2									
041	A	Wall	Lft		I	Dry wall	blue	-0.2	QM
042	A	Wall	Lft	Beam	I	Brick	black	3.8	QM
043	B	Wall	Lft	Beam	I	Wood	blue	>9.9	QM
047	B	Ceiling	Ctr	Beam	D	Wood	blue	>9.9	QM
048	B	Ceiling	Ctr	Beam	D	Wood	white	5.9	QM
046	C	Pipe	Lft		I	Metal	white	3.6	QM
045	C	Column	Lft		I	Brick	white	0.4	QM
044	D	Window	Rgt	Sash	D	Metal	white	3.7	QM
049	D	Door	Lft	door	D	Wood	blue	-0.3	QM
050	D	Door	Lft	Casing	D	Wood	blue	1.6	QM
Interior Room ~~008~~ 9 janitor rm									
052	-	Floor	Lft		D	Wood	brown	1.0	QM
056	A	Door	Rgt	Casing	D	Wood	green	2.8	QM
051	B	Wall	Lft		D	Dry wall	green	4.0	QM
053	B	Baseboard	Lft		D	Wood	green	0.6	QM
057	B	Door	Lft	door	D	Wood	green	1.6	QM
054	D	Window	Rgt	Sash	D	Metal	white	3.9	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Ronald Turner, Direc. of Operation

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
055	D	Window	Rgt	Sill	D	Wood	green	5.5	QM
Interior Room ~~009~~ 10 work rm									
059	-	Ceiling	Lft	Support	D	Wood	green	1.8	QM
060	-	Ceiling	Lft		D	Wood	green	3.6	QM
058	-	Column	Lft		D	Wood	red	0.1	QM
064	C	Door	Ctr	Casing	D	Wood	blue	>9.9	QM
065	C	Door	Ctr	Stop	D	Wood	blue	5.9	QM
066	C	Door	Ctr	door	D	Wood	blue	-0.1	QM
061	C	Stairs	Ctr	Treads	D	Concrete	Yellow	8.4	QM
062	C	Stairs	Ctr	Risers	D	Concrete	multi	5.7	QM
063	C	Railing	Ctr	Railing	D	Steel	blue	3.9	QM
Calibration Readings									
001								1.0	TC
002								1.0	TC
003								0.9	TC
082								0.8	TC
083								0.9	TC
084								0.9	TC

---- End of Readings ----

APPENDIX 4

LEAD WASTE CHARACTERIZATION LABORATORY REPORTS AND COMPUTATION TABLE

PHOENIX
Environmental Laboratories, Inc.

Wednesday, July 18, 2018

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

Project ID: E HADDAM GARAGE 1 MAIN ST
Sample ID#s: CA90060

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
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

July 18, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		07/13/18	
Location Code:	EAGLEENV	Received by:	SW	07/13/18	16:25
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA90060
Phoenix ID: CA90060

Project ID: E HADDAM GARAGE 1 MAIN ST
Client ID: TCLP 1-7 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	1.13	0.10	mg/L	1	07/17/18	CPP	SW6010C
TCLP Metals Digestion	Completed				07/17/18	IQ/I	SW3010A
TCLP Extraction for Metals	Completed				07/16/18	I	SW1311
TCLP Sample Size Reduction	Completed				07/16/18	SHOP	SW1311

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2018
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

July 18, 2018

QA/QC Data

SDG I.D.: GCA90060

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 438997 (mg/L), QC Sample No: CA90349 (CA90060)													
ICP Metals - TCLP Extraction													
Lead	BRL	0.010	0.004	0.023	NC	104			108			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
July 18, 2018

Wednesday, July 18, 2018

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCA90060 - EAGLEENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

July 18, 2018 SDG I.D.: GCA90060

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Cooler: Yes ☑ No ☐
Coolant: IPK ☒ ICE ☐ No ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp 3.7 C Pg of

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

Data Delivery/Contact Options:
☐ Fax: _____
☐ Phone: _____
☐ Email: _____

Customer: Eagle Environmental Inc
Address: 8 S. Main ST
Terryville CT

Project: E. Haddam - Garage, 1 Main St
Report to: Eagle
Invoice to: Eagle

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

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: 0/10 Contribution Means

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	GL Amber 8 oz. w/H3PO4	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 w/thio	Bacteria Bottle as is
900606	TCLP1 - WD	S		pm	6	7										
	TCLP 2 + WD				10											
	TCLP 3 - SR				4											
	TCLP 4 + FB				1											
	TCLP 5 - ALT				1											
	TCLP 6 + USE				2											
	TCLP 7 - Lead				17											

Relinquished by:	Accepted by:	Date:	Time:
		7.13.18	1448
	Kimpland B	7.13.18	16:25

Comments, Special Requirements or Regulations:
Please combine Samples TCLP 1-7 to form 1 composite TCLP for lead

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

PHOENIX
Environmental Laboratories, Inc.

Tuesday, July 17, 2018

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

Project ID: E HADDAM GARAGE BRICK 1 MAIN ST.
Sample ID#s: CA90061

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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 #M-CT007
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
UT Lab Registration #CT00007
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

July 17, 2018

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:		07/13/18	
Location Code:	EAGLEENV	Received by:	LB	07/13/18	14:48
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA90061
Phoenix ID: CA90061

Project ID: E HADDAM GARAGE BRICK 1 MAIN ST.
Client ID: TCLP A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	6.83	0.10	mg/L	1	07/16/18	EK	SW6010C
TCLP Metals Digestion	Completed				07/16/18	I/I	SW3010A
TCLP Extraction for Metals	Completed				07/13/18	I	SW1311
TCLP Sample Size Reduction	Completed				07/13/18	SHOP	SW1311

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 17, 2018
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

July 17, 2018

QA/QC Data

SDG I.D.: GCA90061

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 438846 (mg/L), QC Sample No: CA89833 (CA90061)													
ICP Metals - TCLP Extraction													
Lead	BRL	0.010	0.042	0.041	NC	103			102			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
July 17, 2018

Tuesday, July 17, 2018

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCA90061 - EAGLEENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA90061	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	6.83	0.10	5	5	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Comments

July 17, 2018 SDG I.D.: GCA90061

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

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

Temp 3.3° C Pg of

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[ ] Email:

Customer: Eagle Environmental Inc
Address: 8 S Main St
Terryville CT

Project: E-Haddam - Garage brick; 1 Main St Project P.O:
Report to: Eagle
Invoice to: Eagle

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

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	TCLP for lead	BAG	GL Amber 8 oz. w/H3PO4	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 w/thio	Bacteria Bottle as is
A00601	TCLP A (4) Masonry	SD		1r	1													

Relinquished by: **Accepted by:**

Date:	Time:
7-13-18	1448
713-18	16:25

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[X] 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

WHOLE BUILDING DEMOLITION WASTE CLASSIFICATION
TCLP FIELD COMPUTATION TABLE
FORMER TOWN GARAGE
1 MAIN STREET
EAST HADDAM, 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	500	20.8	35	729.2	65785.4	67%
	1.00	0.083	13200	1100.0	35	38500.0		
	1.50	0.125	210	26.3	35	918.8		
	2.00	0.167	4395	732.5	35	25637.5		
Positive Wood (solid)	0.50	0.042		0.0	35	0.0	9524.4	10%
	0.75	0.063	10	0.6	35	21.9		
	1.00	0.083	2490.5	207.5	35	7264.0		
	1.50	0.125	21	2.6	35	91.9		
	6.00	0.500	52	26.0	35	910.0		
	8.00	0.667	53	35.3	35	1236.7		
	0.00	0.000		0.0	35	0.0		
Negative Sheetrock	0.50	0.042	1680	70.0	52.8	3696.0	3696.0	4%
Negative Fiberboard	0.25	0.021	300	6.3	30	187.5	187.5	0%
Positive Fiberboard	0.50	0.042	650	27.1	30	812.5	812.5	1%
Ceiling Tiles	0.50	0.042	420	17.5	30	525.0	525.0	1%
Positive vinyl sheet flooring	0.25	0.021	445	9.3	161	1492.6	1492.6	2%
Roofing	0.50	0.042	9000	375.0	45	16875.0	16875.0	17%
			Total Mass				98898.4	102%

APPENDIX 5

ABATEMENT AND CONSULTING COST ESTIMATES

HAZARDOUS MATERIALS ABATEMENT AND CONSULTING COST ESTIMATES

FORMER TOWN GARAGE

1 MAIN STREET

EAST HADDAM, CONNECTICUT

ESTIMATE INCLUDES COMPLETE REMOVAL OF ALL IDENTIFIED MATERIALS. CONSULTING FEES MAY BE REDUCED IF COMBINED WITH REMAINING 2 BUILDINGS AT THE SITE

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
WALL PANEL ADHESIVE	500	$ 8.00 SF	$ 4,000.00
FURNACE BURNER GUN GASKETS	2	$ 350.00 SF	$ 700.00
FURNACE FIBROUS WASHERS	2	$ 500.00 SF	$ 1,000.00
FURNACE SITE WINDOW GASKETS	2	$ 350.00 SF	$ 700.00
FIBERBOARD-WALLS AND UNDER FURNACE	220	$ 15.00 SF	$ 3,300.00
EXTERIOR CAULK	240	$ 8.00 LF	$ 1,920.00
EXTERIOR ROOF TAR/PAINT	68	$ 8.00 SF	$ 544.00
SUBTOTAL			$ 12,164.00
ASBESTOS ABATEMENT CONTINGENCY			$ 1,216.40
ASBESTOS TOTAL			**$ 13,380.40**

LEAD BASED PAINT COST ESTIMATE

MATERIAL: MASONRY COATED WITH LEAD-BASED PAINT

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD BASED PAINT ALLOWANCE	1	$ 12,000.00 SUM	$ 12,000.00
SUBTOTAL			$ 12,000.00
LEAD DEMOLITION CONTINGENCY			$ 1,200.00
LEAD DEMOLITION TOTAL			**$ 13,200.00**

UNIVERSAL WASTE ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
CAPACITOR DISPOSAL	6	$ 5.00 EACH	$ 30.00
LIGHT TUBES DISPOSAL	153	$ 2.00 LF	$ 306.00
LEAD ACID BATTERIES DISPOSAL	3	$ 5.00 EACH	$ 15.00
LABOR	1	$ 500.00 DAY	$ 500.00
SUBTOTAL			$ 851.00
UNIVERSAL WASTE ABATEMENT CONTINGENCY			$ 212.75
UNIVERSAL WASTE TOTAL			**$ 1,063.75**

CHLOROFLUOROCARBONS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
AC UNITS	5	$ 100.00 EACH	$ 500.00
LABOR	1	$ 500.00 EACH	$ 500.00
SUBTOTAL			$ 1,000.00
CHLOROFLUOROCARBONS ABATEMENT CONTINGENCY			$ 100.00
CHLOROFLUOROCARBONS TOTAL			**$ 1,100.00**

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL **$ 28,744.15**

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
ASBESTOS ABATEMENT SPECIFICATIONS	1	$1,500.00 EACH	$ 1,500.00
LEAD ABATEMENT SPECIFICATIONS	1	$500.00 EACH	$ 500.00
UNIVERSAL WASTE ABATEMENT SPECIFICATION	1	$350.00 EACH	$ 350.00
ABATEMENT CONTRACT DRAWINGS	1	$1,000.00 EACH	$ 1,000.00
ALTERNATIVE WORK PRACTICE DEVELOPMENT	1	$500.00 EACH	$ 500.00
PREBID CONFERENCE	1	$350.00 EACH	$ 350.00
PRECONSTRUCTION CONFERENCE	1	$350.00 EACH	$ 350.00
DAILY MONITORING/CLEARANCES	4	$585.00 DAY	$ 2,340.00
PCM AIR SAMPLE ANALYSIS	35	$8.00 EACH	$ 280.00
PROJECT MANAGEMENT	5	$100.00 HOUR	$ 500.00
SENIOR PROJECT MANAGEMENT	2	$130.00 HOUR	$ 260.00
ASBESTOS ABATEMENT DOCUMENTATION REPORT	1	$600.00 EACH	$ 600.00
SUBTOTAL			$ 8,530.00
CONSULTING CONTINGENCY			$ 853.00
CONSULTING TOTAL			**$ 9,383.00**

GRAND TOTAL **$ 38,127.15**

***NOTE - This estimate does not include the test remediation of PCB-containing materials**

APPENDIX 6

EAGLE ENVIRONMENTAL INC. LICENSES AND LABORATORY CERTIFICATES

CERTIFICATE OF ACHIEVEMENT

This certifies that

Raymond R. Folino

has successfully completed the

Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory Morsch

Principal Instructor: Gregory Morsch
May 17, 2018
Date of Course

May 17, 2019
Expiration Date

Gregory Morsch

Regional Training Manager: Gregory Morsch
SIAR-6048
Certificate Number

May 17, 2018
Examination Date

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

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

RAYMOND R FOLINO

CERTIFICATE NO.
000137

CURRENT THROUGH
10/31/18

VALIDATION NO.
03-634342

SIGNATURE

COMMISSIONER

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

LEAD CONSULTANT CONTRACTOR

EAGLE ENVIRONMENTAL INC.

LICENSE NO.
001723

CURRENT THROUGH
04/30/19

VALIDATION NO.
03-675765

SIGNATURE

COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Alexis St. Hilaire
44 Fuller Road, Barkhamsted, CT 06063

has successfully completed the
EPA Model Lead Risk Assessor Initial Training
745.225

conducted by
ATC Group Services, LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor: Neal Freuden
September 14-15, 2017
Date of Course

June 2, 2017
Interim Expiration Date

Regional Training Director: Gregory Morsch
EPARA-659
Certificate Number

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

ALEXIS M ST HILAIRE

CERTIFICATE NO.
002282

CURRENT THROUGH
12/31/18

VALIDATION NO.
03-677021

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.

SCIENTIFIC ANALYTICAL INSTITUTE, INC.

LOCATED AT 4604 DUNDAS DRIVE IN GREENSBORO, NC 27407

AND REGISTERED IN THE NAME OF NATHANIEL DURHAM

THIS CERTIFICATE IS ISSUED IN THE NAME OF NATHANIEL DURHAM 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:

DRINKING WATER
Examination For:
ASBESTOS

ENVIRONMENTAL HEALTH & HOUSING
LEAD IN PAINT
LEAD (PAINT) IN SOIL
LEAD IN DUST WIPES

BUILDING MATERIALS
Examination For:
ASBESTOS FIBERS – PCM. TEM
ASBESTOS IN BULK – PLM, TEM

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE JANUARY 1, 2018

THIS CERTIFICATE EXPIRES DECEMBER 31, 2019 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 19th DAY OF December, 2017

Registration No.

PH-0336

SUZANNE BLANCAFLOR, MS, MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION