May 2, 2013

Jane Witherell, PE, LEP, CHMM
Principal Engineer
CDR Maguire, Inc.
2080 Silas Deane Highway
Rocky Hill, Connecticut 06067

RE: Pre-Demolition Hazardous Building Materials Inspection
Sewage Pumping Station - 3 Structures
34 East Main Street
Middletown, Connecticut
Eagle Project No. 13-062.10

Dear Ms. Witherell:

Attached is the report for the hazardous building materials inspection conducted at the 3 structures of the City of Middletown Sewage Pumping Station located at 34 East Main Street in Middletown, Connecticut. The scope of services included an asbestos-containing materials inspection, lead-based paint screen, lead waste characterization sampling and analysis, an inspection for Polychlorinated Biphenyls (PCB's) in source materials, and an inspection for universal waste materials.

The inspection was performed to support the demolition of the buildings.

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:
John A. Coletti
Senior Environmental Consultant

Report Reviewed By:
Ashis Roychowdhury
Executive Vice President

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PRE-DEMOLITION HAZARDOUS BUILDING MATERIALS INSPECTION

FOR

THE SEWAGE PUMPING STATION BUILDING
FORMER INCINERATOR BUILDING AND FIRE TRAINING BUILDING
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

PROVIDED TO

CDR MAGUIRE, INC
2080 SILAS DEANE HIGHWAY
ROCKY HILL, CONNECTICUT

PROVIDED BY

EAGLE ENVIRONMENTAL, INC.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT

MAY 2, 2013

EAGLE PROJECT NO. 13-062.10

EAGLE ENVIRONMENTAL, INC.
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TABLE OF CONTENTS

1. INTRODUCTION 1

1.1 BUILDING DESCRIPTION 1

2. SCOPE OF INSPECTION 2

2.1 ASBESTOS CONTAINING MATERIALS 2

2.2 LEAD BASED PAINT 2

2.2.1 X-Ray Fluorescence Screen 2

2.2.2 Lead Waste Characterization 2

2.3 POLYCHLORINATED BIPHENYLS (PCB) IN BULK SOURCE MATERIALS 2

2.3.1 PCB in Bulk Source Materials 2

2.4 UNIVERSAL WASTE MATERIALS AND OTHER ENVIRONMENTAL CONCERNS 3

2.4.1 Polychlorinated Biphenyls (PCB) and Di-ethylhexlpthalate (DEHP) Containing Items 3

2.4.2 Mercury Containing Items 4

2.4.3 Chlorofluorocarbons 4

3. INSPECTION PROTOCOLS 4

3.1 ASBESTOS CONTAINING MATERIALS 4

3.1.1 Inspection 4

3.1.2 Bulk Sampling 4

3.1.3 Bulk Sample Analysis 5

3.2 LEAD BASED PAINT 6

3.2.1 X-Ray Fluorescence Screen 6

3.2.2 Lead Waste Characterization 7

3.3 POLYCHLORINATED BIPHENYLS (PCB) IN BULK SOURCE MATERIALS 8

3.3.1 PCB in Bulk Source Materials 8

3.4 UNIVERSAL WASTE MATERIALS AND OTHER ENVIRONMENTAL CONCERNS 8

3.4.1 PCB and Di-ethylhexlpthalate (DEHP) Containing Items 8

3.4.2 Mercury Containing Items 8

3.4.3 Chlorofluorocarbons 9

4. INSPECTION RESULTS 9

4.1 ASBESTOS CONTAINING MATERIALS 9

4.2 LEAD BASED PAINT 10

4.2.1 X-Ray Fluorescence Screen 10

4.2.2 Lead Waste Characterization Results 11

4.3 POLYCHLORINATED BIPHENYLS (PCB) IN BULK SOURCE MATERIALS 12

4.4 UNIVERSAL WASTE MATERIALS AND OTHER ENVIRONMENTAL CONCERNS 12
4.4.1 PCB and Di-ethylhexlpthalate (DEHP) Containing Items 12
4.4.2 Mercury Containing Items 13
4.4.3 Chlorofluorocarbons 13
5. COST ESTIMATES 14

LIST OF TABLES

Table I Asbestos-Containing Materials Summary Table
Table II Non Asbestos-Containing Materials Summary Table
Table III Universal Waste Materials Summary Table
Table IV PCB in Bulk Source Materials

APPENDICES

Appendix 1 Floor Plans and Roof Plans with Sample Location Diagrams
Appendix 2 Asbestos Bulk Sample Laboratory Reports
Appendix 3 XRF Lead Based Paint Inspection Reports
Appendix 4 Lead Waste Characterization Laboratory Reports
Appendix 5 PCB Bulk Sample Laboratory Reports
Appendix 6 Abatement and Consulting Cost Estimates
Appendix 7 Eagle Environmental Inc. Licenses
Appendix 8 Laboratory Certificates

1. INTRODUCTION

On April 3 and 4, 2013. Eagle Environmental, Inc. conducted a hazardous building materials inspection of the 3 structures at the Sewage Pumping Station located at 34 East Main Street in Middletown, Connecticut. The structures included the Sewage Pumping Station Building, Former Incinerator Building and Fire Training Building. 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, an inspection for Polychlorinated Biphenyls (PCB's) in caulk and glazing compound, and an inspection for universal waste materials. The inspection was performed to support the demolition of the buildings.

1.1 Building Description

Sewage Pumping Station Building:

The Sewage Pumping Station Building located at 34 East Main Street in Middletown, Connecticut is a single-story 2,500 square foot structure of block construction. Built in 1935 over a full basement, the building also includes a loft area. The mechanical equipment consists of a roof top forced-air ventilation system. The mechanical distribution system is un-insulated. The basement piping is exposed and the boiler is located in the basement of the structure. The interior walls and ceilings are of painted concrete block and glazed masonry block. The window frames, sashes, doors and door frames are all of metal construction and the floors are finished with various resilient flooring finishes. The exterior facades are clad with brick and concrete. The roof is flat and consists of built up asphalt roofing with ballast. The building is located on the western portion of the site. This building is no longer used as a pumping station.

Former Incinerator Building:

The Incinerator Building located at 34 East Main Street in Middletown, Connecticut is a single-story 1,6000 square foot structure of block construction. Built in 1936, the building is constructed over a full basement. The mechanical equipment consists of a roof top forced-air ventilation system, and the mechanical distribution system is un-insulated. The basement piping is exposed and un-insulated. The interior walls are of brick and concrete block construction. The window frames, sashes, doors and door frames are all of metal construction and the floors are concrete. The exterior facades are clad with brick and concrete, and the roof is flat and consists of built up roofing system with ballasts. The building is located on the northern portion of site. This building is no longer used to incinerate waste.

Fire Training Building:

The Fire Training Building located at 34 East Main Street in Middletown, Connecticut is a single-story 1,350 square foot structure of block construction. Built in the 1980's, the building is constructed slab on grade. The mechanical equipment consists of a steam-fired radiant heat system with cast iron radiators, and the mechanical distribution system is insulated. The furnace is located on the first floor of the structure and the interior walls and ceilings are of painted concrete block. The window frames, sashes, doors and door frames are all of metal construction and the floors are finished with various resilient flooring finishes. The exterior facades are clad with concrete. The roof of the main building is pitched and consists of several layers of asphalt shingles, while the roof over the Fire Tower consists of built up roof with ballasts.

2. SCOPE OF INSPECTION

2.1 Asbestos Containing Materials

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

The asbestos inspection was performed by John Coletti; a State of Connecticut licensed Asbestos Inspector (license #000399).

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 John Coletti a State of Connecticut licensed Lead Inspector/Risk Assessor (license # 002114).

2.2.2 Lead Waste Characterization

The State of Connecticut Department of Energy and Environmental Protection (DEEP) regulates the disposal of hazardous waste. The required analytical test to determine a materials waste classification is the Toxicity Characteristic Leachate Procedure, or TCLP (Regulation of State 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

2.3.1 PCB in Bulk Source Materials

Recently 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 materials between 1930 and 1977 to improve adhesion and flexibility.

The USEPA regulates the removal and disposal of source materials if the concentration of PCB is 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 "source" materials containing greater than or equal to fifty (50) ppm if the soil or substrates contain greater than one (1) ppm PCB.

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

Materials containing PCB greater than one (1) ppm must be disposed of as either "PCB Bulk Product Waste", "PCB Remediation Waste", or "Excluded PCB Products". Per USEPA Regulation 40 CFR Part 761, PCB Bulk Product and PCB Remediation Wastes are regulated for clean-up and disposal. Per DEEP Regulations 22a-463, 22a-464, and 22a-467, any materials containing PCB in excess of one (1) ppm are regulated for clean-up and disposal.

The USEPA requires submission of a Self-Implementing On-site Cleanup and Disposal Plan (SIP) or a Remedial Action Plan (RAP) for the removal of PCB-containing and PCB-contaminated materials under §761.61(a). The SIP is required for all PCB Bulk Product Wastes and PCB Remediation Wastes. Post-remediation wipe and air sampling as required by EPA must be performed and included in the plan. Alternately, a Performance-Based option may be exercised under §761.61(b). The Performance-Based option generally requires more costly disposal and verification/re-use sampling requirements. Where the code requirements of §761.61(a) or §761.61(b) cannot be met, USEPA will consider requests for variances under §761.61(c).

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 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 buildings 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 matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample is determined to contain asbestos. Upon the determination of the presence of asbestos in one sample in the set, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content.

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being an asbestos-containing material (ACM). Suspect materials containing greater than one percent (1%) asbestos utilizing the PLM Point Count Method and the NOB TEM method are also considered to be asbestos-containing. Materials determined to contain greater than one percent (1%) asbestos is regulated by the USEPA, the State of Connecticut Department of Public Health and Department of Energy and Environmental Protection and the United States Department of Labor. Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Samples results indicating "Did Not Analyze" (DNA) are not analyzed due to the stop on first positive request to the laboratory. A total of one hundred fifteen (115) samples were analyzed by PLM for the 3 buildings at the Sewage Pumping Station.

3.1.3.1 Friable ACM Analysis

Certain samples of friable materials shown to contain less than 10% asbestos are analyzed further by the "Point Count Method". This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method. No samples were further analyzed by the PLM Point Count Method for the 3 buildings at the Sewage Pumping Station.

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. A total of three (3) samples were further analyzed by the NOB TEM Method for the 3 buildings at the Sewage Pumping Station.

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 1509 within the limits of the inspection areas. The screen includes only accessible areas within the inspection areas and accessible building materials.

The lead-based paint screen includes testing limited components and or surfaces throughout the structures. 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/cm2 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. A total of two (2) samples were collected and analyzed for the 3 buildings at the Sewage Pumping Station.

3.3 Polychlorinated Biphenyls (PCB) in Bulk Source Materials

3.3.1 PCB in Bulk Source Materials

3.3.1.1 Bulk Source Sampling

Eagle conducted bulk "source" material sampling of caulk and window glazing compounds that will be impacted by the demolition of the structures.

The "source" material sampling included removal of bulk caulk and glazing compounds from window and door systems using hand tools to collect representative bulk "source" materials. Tools utilized to collect samples were decontaminated prior to and in between successive sampling using a soap and water rinse followed by a hexane wash to prevent cross contamination of samples. Each sample was placed in an individual, pre-cleaned, 2 - 4 ounce glass containers, sealed with a Teflon–lined cap, labeled, and placed on ice packs in a cooler for transportation from the site. Samples were stored in the cooler of in a refrigerator until delivered to or picked up by the laboratory under proper chain of custody.

A total of six (6) source samples were collected. The source samples included window caulk, door caulk and window glazing compound.

The "source" material samples were analyzed at Phoenix Environmental Laboratories, Inc. located in Manchester Connecticut. PCB was extracted from samples using USEPA Soxhlet Extraction Method 3540C and analyzed using EPA Analytical Method SW846 8082.

The sample numbers, locations, material descriptions, and analytical results are summarized and attached as Table IV.

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 unless the end caps of the tubes are green indicating they are mercury free. Thermostatic controls, switches, manometers, capacitors and other used electronic components are inventoried during the inspection process.

3.4.3 Chlorofluorocarbons

Eagle Environmental 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

Sewage Pumping Station Building:

During the course of the building inspection seventy (70) bulk samples of suspect ACM were collected and sixty-one (61) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory. Additionally there were two (2) samples analyzed by the NOB TEM Method.

From the sixty-one (61) samples analyzed, the boiler insulation, strip glue on wall wood panel, exterior window caulk, interior and exterior window glazing compound, roof joint sealant, vent flashing and silver paint were all found to be ACM. The remaining suspect materials were confirmed to be non-ACM.

The NOB TEM analyses confirmed the ceramic tile adhesive and ceramic tile grout to be non-asbestos.

Former Incinerator Building:

During the course of the building inspection twenty-seven (27) bulk samples of suspect ACM were collected and twenty-four (24) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory. Additionally there was one (1) sample analyzed by the NOB TEM Method.

From the twenty-four (24) samples analyzed, the exterior window glazing compound, top layer of built up roofing and roof caulk to joint were found to be ACM. The remaining suspect materials were confirmed to be non-ACM.

The NOB TEM analyses confirmed the roof silver paint to be non-asbestos.

Fire Training Building:

During the course of the building inspection thirty (30) bulk samples of suspect ACM were collected and analyzed by PLM based on the "stop on first positive" request to the laboratory.

From the thirty (30) samples analyzed, all of the materials were confirmed to be non-ACM.

The summaries of asbestos and non-asbestos materials for all 3 buildings 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.

All regulated friable and regulated non-friable ACM must be removed 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 demolition. Re-occupancy air monitoring is required if the building will be re-entered by any person following abatement and prior to demolition. This includes but is not limited to entry for utility disconnects, salvage, equipment removal, etc.

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

4.2 Lead Based Paint

4.2.1 X-Ray Fluorescence Screen

Sewage Pumping Station:

A total of twenty (20) XRF readings were collected during the lead-based paint screen of the building. From the twenty (20) readings, nine (9) were found to contain high levels of lead.

The general inventory of surfaces containing high levels of lead include the interior and exterior concrete walls, metal door casings (frames) and one (1) baseboard.

Former Incinerator Building:

A total of fifteen (15) XRF readings were collected during the lead-based paint screen of the building. From the fifteen (15) readings, eight (8) were found to contain high levels of lead.

The general inventory of surfaces containing high levels of lead include the interior cinder block walls, metal door casings, headers and jambs (frames).

Fire Training Building:

A total of twenty-two (22) XRF readings were collected during the lead-based paint screen of the building. From the twenty-two (22) readings, one (1) was found to contain high levels of lead.

The concrete walls in this building were the only surfaces containing high levels of lead.

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/cm2, 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/cm2 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

Sewage Pumping Station:

One (1) composite TCLP sample was collected to characterize the waste that will be generated as a result of demolition. The result of the TCLP was <0.10 mg/L characterizing the waste as non-hazardous solid waste. The painted masonry debris contains lead in surface coatings but is not characterized as hazardous lead waste. The demolition contractor may dispose of the painted masonry as non-hazardous solid waste or re-use the leaded waste material in accordance with DEEP approved uses for masonry materials containing lead in surface coatings.

Metal components containing lead may be recycled at an approved recycling facility.

Former Incinerator Building:

One (1) composite TCLP sample was collected to characterize the waste that will be generated as a result of demolition. The result of the TCLP was <0.10 mg/L characterizing the waste as non-hazardous solid waste. The painted masonry debris contains lead in surface coatings but is not characterized as hazardous lead waste. The demolition contractor may dispose of the painted masonry as non-hazardous solid waste or re-use the leaded waste material in accordance with DEEP approved uses for masonry materials containing lead in surface coatings.

Metal components containing lead may be recycled at an approved recycling facility.

Fire Training Building:

No TCLP samples were required for the Fire Training Building. The painted cinderblock contains lead in the surface coating. The demolition contractor may dispose of the painted masonry as non-hazardous solid waste or re-use the leaded waste material in accordance with DEEP approved uses for masonry materials containing lead in surface coatings.

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

4.3 Polychlorinated Biphenyls (PCB) in Bulk Source Materials

Sewage Pumping Station:

The results of the "source" materials sampling are presented in Table IV attached and summarized below:

- Door Caulk
- Window Caulk
- Window Glazing Compound

Former Incinerator Building:

No PCB bulk source materials were collected or analyzed for the Former Incinerator Building. The caulking around the door and windows was observed to be concrete mortar.

Fire Training Building:

No PCB bulk source materials were collected or analyzed for the Fire Training Building.

4.4 Universal Waste Materials and Other Environmental Concerns

4.4.1 PCB and Di-ethylhexlpthalate (DEHP) Containing Items

Sewage Pumping Station:

A total of fifteen (15) PCB containing lighting ballasts and twenty-eight (28) DEHP containing lighting ballasts were present within this building. The ballasts must be removed for proper recycling/incineration prior to demolition of the building. Light ballasts that have leaked must be segregated from the non-leaking ballasts. Lighting covers or fixtures stained with dielectric fluid must also be removed for proper disposal.

No capacitors potentially containing PCB dielectric fluid and no electrical ballasts were identified within the inspection site.

Former Incinerator Building:

A total of six (6) PCB containing lighting ballasts and six (6) DEHP containing lighting ballasts are present within this building. The ballasts must be removed for proper recycling/incineration prior to demolition of the building. Light ballasts that have leaked must be segregated from the non-leaking ballasts. Lighting covers or fixtures stained with dielectric fluid must also be removed for proper disposal.

No capacitors potentially containing PCB dielectric fluid and no electrical ballasts were identified within the inspection site.

Fire Training Building:

A total of eight (8) DEHP containing lighting ballasts are present within this building. The ballasts must be removed for proper recycling/incineration prior to demolition of the building. Light ballasts that have leaked must be segregated from the non-leaking ballasts. Lighting covers or fixtures stained with dielectric fluid must also be removed for proper disposal.

No capacitors potentially containing PCB dielectric fluid and no electrical ballasts were identified within the inspection site.

The associated inspection data is provided in Table III.

4.4.2 Mercury Containing Items

Sewage Pumping Station:

A total of twenty-five (25) linear feet of fluorescent light tubes, are present within this building. The fluorescent light tubes and thermostat must be removed from the building for proper recycling prior to building demolition.

Former Incinerator Building:

A total of one hundred ninety-two (192) linear feet of fluorescent light tubes, are present within this building. The fluorescent light tubes must be removed from the building for proper recycling prior to building demolition.

Fire Training Building:

A total of one hundred twenty-eight (128) linear feet of fluorescent light tubes, are present within the inspection site. The fluorescent light tubes must be removed from the building for proper recycling prior to building demolition.

The associated inspection data is provided in Table III.

4.4.3 Chlorofluorocarbons

Sewage Pumping Station:

No Chlorofluorocarbons were identified in the Sewage Pumping Station.

Former Incinerator Building:

No Chlorofluorocarbons were identified in the Former Incinerator Building.

Fire Training Building:

No Chlorofluorocarbons were identified in the Fire Training Building.

5. COST ESTIMATES

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

The cost estimates are provided in Appendix 5

TABLE I

ASBESTOS CONTAINING MATERIALS SUMMARY TABLE

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
PUMPING STATION									
001	Boiler insulation	4-3-JAC-03	TSI	70% Chrys			YES	100 SF	F
		4-3-JAC-04		DNA					
		4-3-JAC-05		DNA					
004, **005**	Strip glue on wall wood panel	4-3-JAC-45	MISC	3% Chrys			YES	630 SF	NF
		4-3-JAC-46		DNA					
Façade A, B, C, D	Exterior window caulk	4-3-JAC-47	MISC	7% Chrys			YES	8 Windows	NF
		4-3-JAC-48		DNA					
Façade A, B, C, D	Exterior window glazing compound	4-3-JAC-51	MISC	3% Chrys			YES	8 Windows	NF
		4-3-JAC-51A		DNA					
007	Interior window glazing compound	4-3-JAC-52	MISC	2% Chrys			YES	14 Windows	NF
		4-3-JAC-52A		DNA					
Roof	Joint sealant	4-3-JAC-104	MISC	18% Chyrs			YES	20 LF	NF
		4-3-JAC-105		DNA					
Roof	Vent flashing	4-3-JAC-106	MISC	22% Chrys			YES	1 Vent	NF
		4-3-JAC-107		DNA					
Roof	Silver paint	4-3-JAC-110	MISC	55% Chrys			YES	2,700 SF	NF
		4-3-JAC-111		DNA					

KEY

DNA = DID NOT ANALYZE
NAD = NO ASBESTOS DETECTED
F = FRIABLE
NF = NON-FRIABLE
TSI = THERMAL SYSTEMS INSULATION
SURF = SURFACING MATERIAL
MISC = MISCELLANEOUS MATERIAL

SF = SQUARE FEET
LF = LINEAR FEET
Chrys = Chrysotile
Amos = Amosite
Anth = Anthophylite
Trem = Tremolite
Croc = Crocidolite

ANALYTICAL METHODS

PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
TEM NOB = NEW YORK ELAP 198.4 METHOD
PLM = EPA 600/R-93/116
PS = Previously Sampled
EA = Each

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
FORMER INCINERATOR BUILDING									
Façade D	Exterior window glazing compound	4-3-JAC-63	MISC	3% Chrys			YES	1 Window	NF
		4-3-JAC-64		DNA					
Roof	Built up roof - bottom layer	4-3-JAC-114	MISC	5% Chrys			YES	1,250 SF	NF
		4-3-JAC-115		DNA					
Roof	Roof caulk to joint	4-3-JAC-116	MISC	8% Chrys			YES	150 LF	NF
		4-3-JAC-117		DNA					
FIRE TRAINING BUILDING									
NO ACM IDENTIFIED IN THIS SCOPE OF WORK									

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

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TABLE II

NON ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
PUMPING STATION							
001	Flue patch cement	4-3-JAC-01	MISC	NAD			NO
		4-3-JAC-02		NAD			
001	Boiler brick	4-3-JAC-06	MISC	NAD			NO
		4-3-JAC-07		NAD			
		4-3-JAC-08		NAD			
001	Gaskets on pipe joint	4-3-JAC-09	MISC	NAD			NO
		4-3-JAC-10		NAD			
003	Ceramic tile adhesive	4-3-JAC-11	MISC	<1% Chrys		NAD	NO
		4-3-JAC-12		<1% Chrys			
003	Ceramic tile grout	4-3-JAC-13	MISC	NAD			NO
		4-3-JAC-14		<1% Chrys		NAD	
003	Adhesive on square ceramic floor tile	4-3-JAC-15	MISC	NAD			NO
		4-3-JAC-16		NAD			
003	Adhesive on bathroom wall panels	4-3-JAC-17	MISC	NAD			NO
		4-3-JAC-18		NAD			
003	Homasote	4-3-JAC-19	MISC	NAD			NO
		4-3-JAC-20		NAD			
003, 005, 006, 007	Rough coat ceiling plaster	4-3-JAC-21	SURF	NAD			NO
		4-3-JAC-22		NAD			
		4-3-JAC-22A		NAD			
		4-3-JAC-23		NAD			
		4-3-JAC-24		NAD			
		4-3-JAC-25		NAD			
		4-3-JAC-26		NAD			
		4-3-JAC-27		NAD			

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	SF = SQUARE FEET	PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
NAD=NO ASBESTOS DETECTED	LF = LINEAR FEET	TEM NOB = NEW YORK ELAP 198.4 METHOD
F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	Amos = Amosite	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	Anth = Anthophylite	EA = Each
SURF = SURFACING MATERIAL	Trem = Tremolite	
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TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
PUMPING STATION (Cont'd)							
003, 005, 006, 007	Skim coat ceiling plaster	4-3-JAC-28	SURF	NAD			NO
		4-3-JAC-29		NAD			
		4-3-JAC-29A		NAD			
		4-3-JAC-30		NAD			
		4-3-JAC-31		NAD			
		4-3-JAC-32		NAD			
		4-3-JAC-33		NAD			
		4-3-JAC-34		NAD			
005	Black mastic under white 12"x12" floor tile	4-3-JAC-35	MISC	NAD			NO
		4-3-JAC-36		NAD			
005	12"x12" White Floor tile	4-3-JAC-37	MISC	NAD			NO
		4-3-JAC-38		NAD			
004	Sheetrock	4-3-JAC-39	MISC	NAD			NO
		4-3-JAC-40		NAD			
005	Brown cove base adhesive	4-3-JAC-41	MISC	NAD			NO
		4-3-JAC-42		NAD			
005	Brown vinyl cove base	4-3-JAC-43	MISC	NAD			NO
		4-3-JAC-44		NAD			
Façade B	Type 2 window caulk	4-3-JAC-49	MISC	NAD			NO
		4-3-JAC-50		NAD			
Façade A	Caulk on door frame	4-3-JAC-53	MISC	NAD			NO
		4-3-JAC-54		NAD			
Roof	Built up roof top layer	4-3-JAC-100	MISC	NAD			NO
		4-3-JAC-101		NAD			

KEY

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TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
PUMPING STATION (Cont'd)							
Roof	Built up roof bottom layer	4-3-JAC-102	MISC	NAD			NO
		4-3-JAC-103		NAD			
Roof	Perimeter flashing	4-3-JAC-108	MISC	NAD			NO
		4-3-JAC-109		NAD			
INCINERATOR BUILDING							
011	Ceiling tile debris on stairway	4-3-JAC-55	MISC	ND			NO
		4-3-JAC-56		ND			
013	Homasote on bathroom ceiling	4-3-JAC-57	MISC	ND			NO
		4-3-JAC-58		ND			
Façade A	Exterior door caulk	4-3-JAC-59	MISC	ND			NO
		4-3-JAC-60		ND			
Façade D	Exterior window caulk	4-3-JAC-61	MISC	ND			NO
		4-3-JAC-62		ND			
Façade C	Expansion caulk on chimney	4-3-JAC-65	MISC	ND			NO
		4-3-JAC-66		ND			
012	Black tar on interior wall	4-3-JAC-67	MISC	ND			NO
		4-3-JAC-68		ND			
012	Soft concrete on ceiling	4-3-JAC-69	MISC	ND			NO
		4-3-JAC-70		ND			
		4-3-JAC-71		ND			

KEY		ANALYTICAL METHODS
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TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
INCINERATOR BUILDING (Cont'd)							
Roof	Built up roof - bottom layer	4-3-JAC-112	MISC	ND			NO
		4-3-JAC-113		ND			
Roof	Silver paint	4-3-JAC-118	MISC	<1% Chrys		ND	NO
		4-3-JAC-119		<1% Chrys			
Roof	Flashing compound	4-3-JAC-120	MISC	ND			NO
		4-3-JAC-121		ND			
FIRE TRAINING BUILDING							
021	Gray mastic under 12"x12" white floor tile	4-3-JAC-72	MISC	ND			NO
		4-3-JAC-73		ND			
021	12"x12" White floor tile	4-3-JAC-74	MISC	ND			NO
		4-3-JAC-75		ND			
021	Adhesive on beige vinyl cove base	4-3-JAC-76	MISC	ND			NO
		4-3-JAC-77		ND			
021	Beige vinyl cove base	4-3-JAC-78	MISC	ND			NO
		4-3-JAC-79		ND			
021	2'x4' Suspended ceiling tiles	4-3-JAC-80	MISC	ND			NO
		4-3-JAC-81		ND			
025	Sheetrock/joint compound composite	4-3-JAC-82	MISC	ND			NO
		4-3-JAC-83		ND			
025	Sheetrock	4-3-JAC-84	MISC	ND			NO
		4-3-JAC-85		ND			
025	Joint compound	4-3-JAC-86	MISC	ND			NO
		4-3-JAC-87		ND			

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F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
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TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
FIRE TRAINING BUILDING (Cont'd)							
Flat Roof	Built up roof material	4-3-JAC-88	MISC	ND			NO
		4-3-JAC-89		ND			
Flat Roof	Roof flashing	4-3-JAC-90	MISC	ND			NO
		4-3-JAC-91		ND			
Pitched Roof	Roof shingles	4-3-JAC-92	MISC	ND			NO
		4-3-JAC-93		ND			
Pitched Roof	Paper under shingles	4-3-JAC-94	MISC	ND			NO
		4-3-JAC-95		ND			
Façade A	Window frame caulk	4-3-JAC-96	MISC	ND			NO
		4-3-JAC-97		ND			
Façade A	Door frame caulk	4-3-JAC-98	MISC	ND			NO
		4-3-JAC-99		ND			
Façade A	Expansion caulk	4-3-JAC-122	MISC	ND			NO
		4-3-JAC-123		ND			

KEY

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PLM = EPA 600/R-93/116
PS = Previously Sampled
EA = Each

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TABLE III

UNIVERSAL WASTE MATERIALS SUMMARY TABLE

TABLE III
UNIVERSAL WASTE PRODUCTS
SUMMARY TABLE
3 BUILDINGS
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

ROOM	FIXTURE TYPE	BALLAST TYPE			ELECTRONICS			THERMO-STATS	LAMPS			BATTERIES
		PCB	DEHP	ELEC.	SPENT	CAPACITORS	CFCS		LF	ROUND	U SHAPE	
PUMPING STATION												
001			3						4			
003		3	4						3			
004		1	2						4			
005			7						6			
006		9	8						4			
007		2	4						4			
TOTAL		**15**	**28**						**25**			
INCINERATOR BUILDING												
011			6						96			
012		6							96			
TOTAL		**6**	**6**						**192**			
FIRE TRAINING BUILDING												
021			8						128			
TOTAL			**8**						**128**			

TABLE IV

PCB IN BULK SOURCE MATERIALS SUMMARY TABLE

TABLE IV

PCB CONTAINING SOURCE MATERIALS
SUMMARY TABLE
SEWAGE PUMPING STATION
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

SAMPLE DATE	SAMPLE #	SAMPLE LOCATION	SAMPLE DESCRIPTION	RESULT (PPM)		
				ND/ <1 PPM	>1 PPM - <50	>50 PPM
PUMPING STATION						
SOURCE SAMPLES						
4-3-2013	403-JAC-WC-1	C Side	Window Caulk	ND		
4-3-2013	403-JAC-WC-2	C Side	Window Caulk	ND		
4-3-2013	403-JAC-DC-3	B Side	Door Caulk	ND		
4-3-2013	403-JAC-DC-4	B Side	Door Caulk	ND		
4-3-2013	403-JAC-WG-5	A Side	Window Glazing Compound	ND		
4-3-2013	403-JAC-WG-6	A Side	Window Glazing Compound	ND		

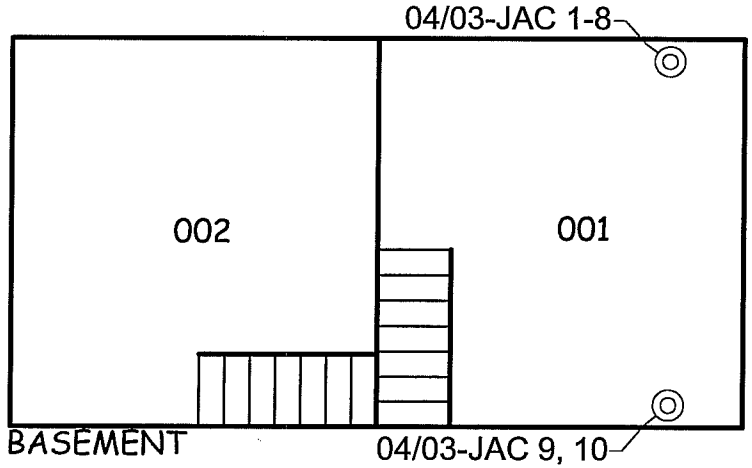
KEY	ANALYTICAL METHOD
ND = NONE DETECTED	SOXHLET EXTRACTION 3540C & ANALYTICAL METHOD SW846 8082 (Reporting Limit =

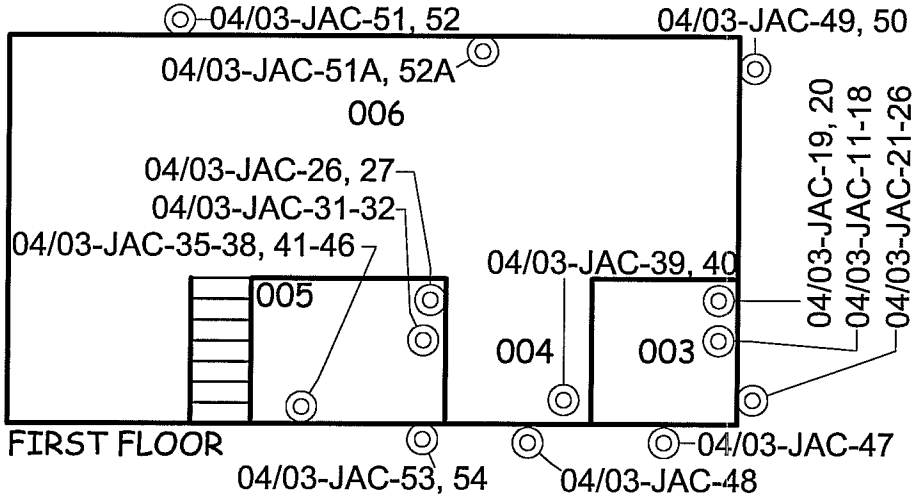
APPENDIX 1

FLOOR PLANS AND ROOF PLANS WITH SAMPLE LOCATION DIAGRAMS

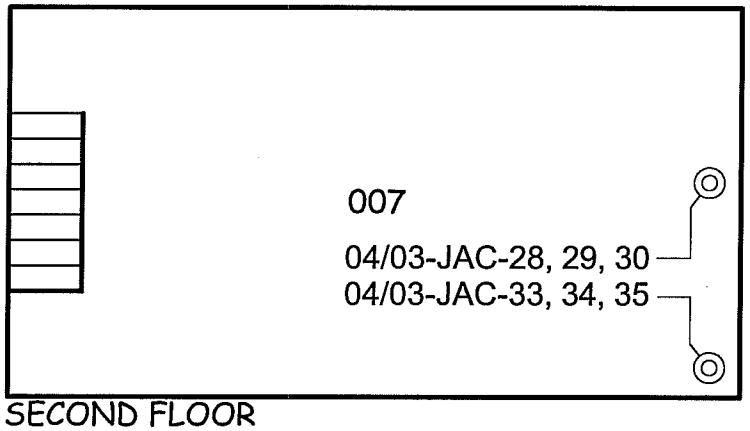
SIDE-C

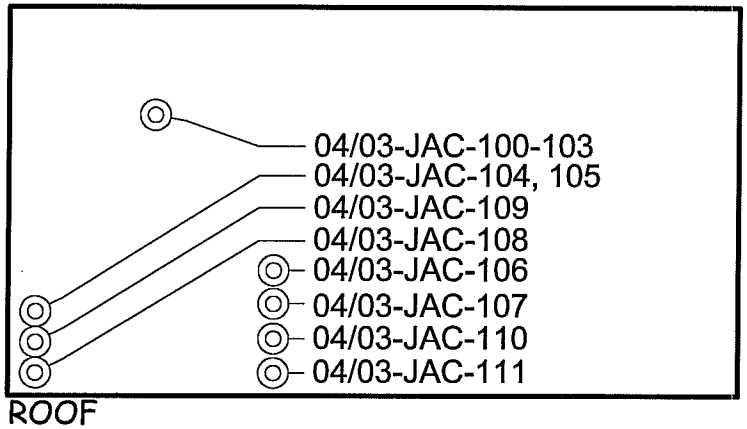
SEWAGE PUMPING STATION





SIDE-B





NOT TO SCALE

SIDE-A (MAIN ENTRY SIDE)

EAGLE Environmental, Inc.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

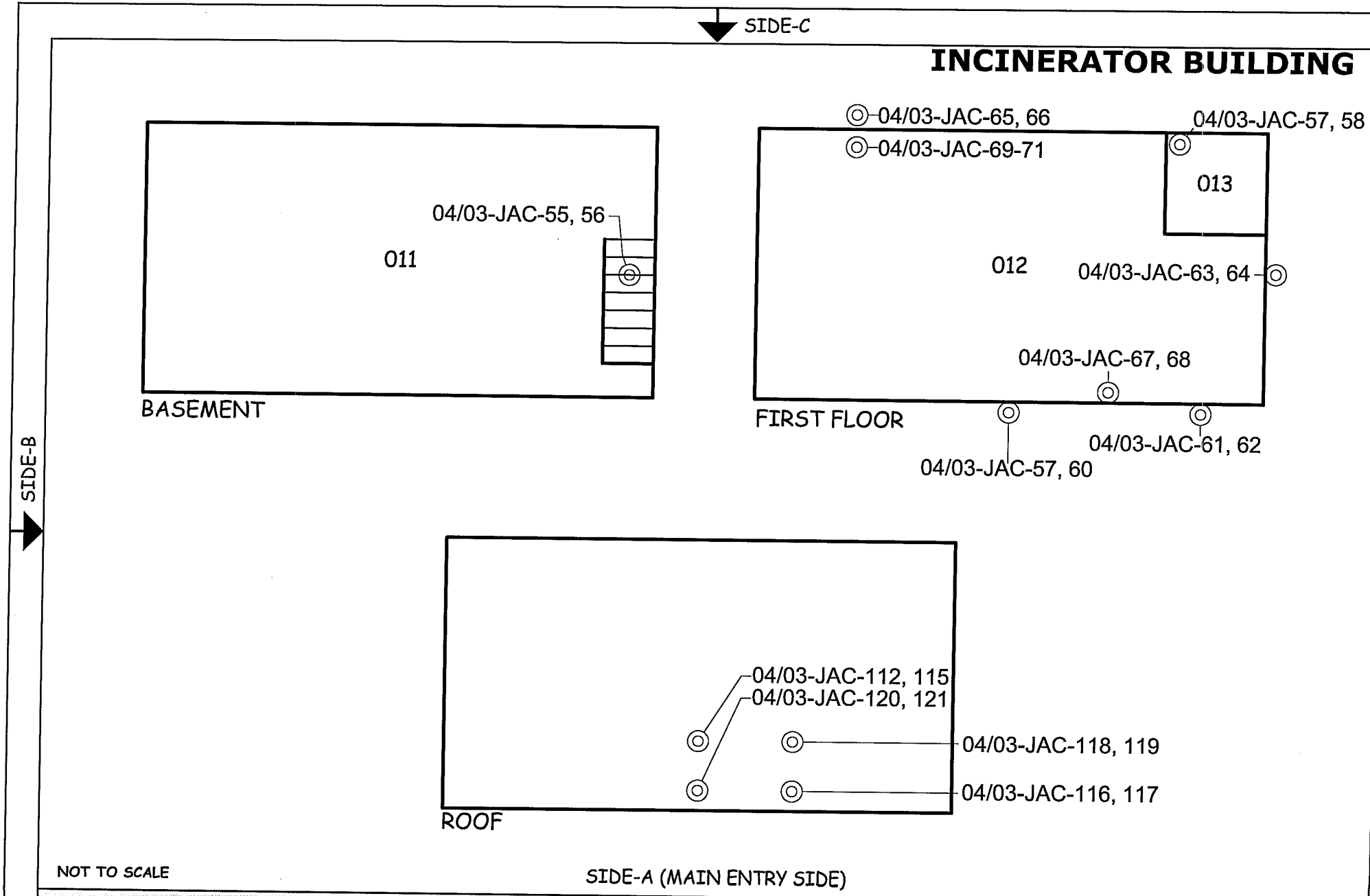
PRE-DEMOLITION HAZARDOUS BUILDING MATERIALS INSPECTION - SEWAGE PUMPING STATION
34 EAST MAIN STREET, MIDDLETOWN, CONNECTICUT
FLOOR PLANS WITH SAMPLE LOCATION DIAGRAM

DATE: 4/17/13
PROJECT NO.: 13-062.10
DRAWN BY: JF
REVIEWED BY: JAC, AR

SHEET NO.
FP-1
SHEET 1 OF 3

FILE NAME: P:\2013 Files\2013 AutoCad\CDR Maguire\INSPECTION\CAD\34 E Main St Floor Plans.dwg

INCINERATOR BUILDING



NOT TO SCALE

EAGLE Environmental, Inc.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

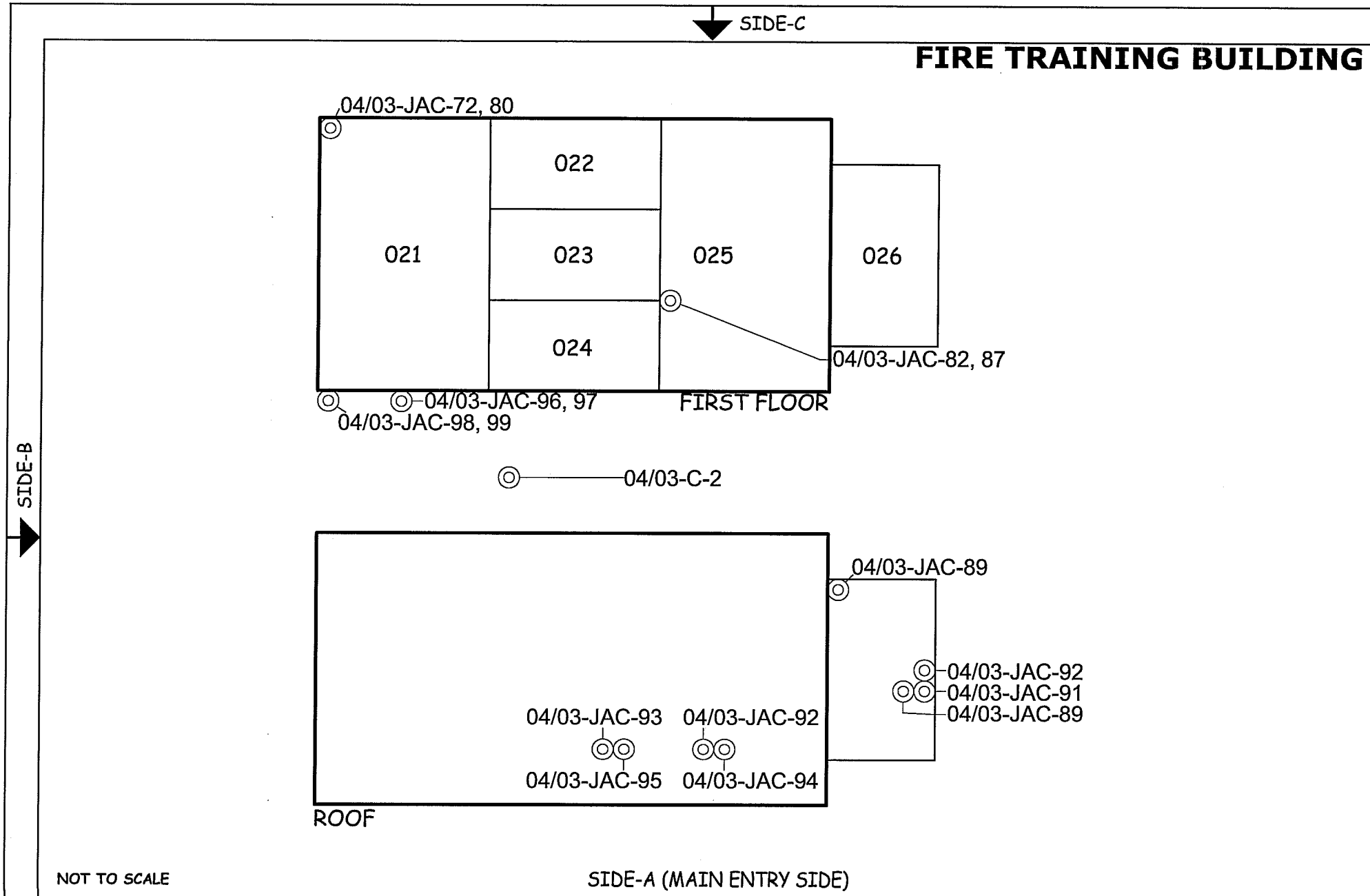
PRE-DEMOLITION HAZARDOUS BUILDING MATERIALS INSPECTION - INCINERATOR BUILDING
34 EAST MAIN STREET, MIDDLETOWN, CONNECTICUT
FLOOR PLANS WITH SAMPLE LOCATION DIAGRAM

DATE: 4/17/13
PROJECT NO.: 13-062.10
DRAWN BY: JF
REVIEWED BY: JAC, AR

SHEET NO.
FP-2
SHEET 2 OF 3

FILE NAME: P:\2013 Files\2013 AutoCad\CDR Maguire\INSPECTION\CAD\34 E Main St Floor Plans.dwg

FIRE TRAINING BUILDING



EAGLE Environmental, Inc.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

PRE-DEMOLITION HAZARDOUS BUILDING MATERIALS INSPECTION - FIRE TRAINING BUILDING
34 EAST MAIN STREET, MIDDLETOWN, CONNECTICUT
FLOOR PLANS WITH SAMPLE LOCATION DIAGRAM

DATE: 4/17/13
PROJECT NO.: 13-062.10
DRAWN BY: JF
REVIEWED BY: JAC, AR

SHEET NO.
FP-3
SHEET 3 OF 3

FILE NAME: P:\2013 Files\2013 AutoCad\CDR Maguire\INSPECTION\CAD\34 E Main St Floor Plans.dwg

APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

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

Your Name: Brandy LeBlanc
Company: Eagle Environmental, Inc. **Project Manager:** AR
Street: 531 North Main Street 03131361S (Revised)
City/State/Zip: Bristol, CT 06010
Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** tfoster@eagleenviro.com,bleblanc@eagleenviro.com jlamattina@eagleenviro.com,dwynne@eagleenviro.com
Project Name Haz-Inspection--CDR-Maguire, Inc **Project #:** 13-062-10
Project Location: Pumping Station - 34 East Main St, Middletown **Project State (US):** CT

TURNAROUND TIME: ☐ 3 Hours ☐ 6 Hours ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐ 4 Days ☐ 5 Days ☐ 6-10 Days

SAMPLE MATRIX: ☐ Air ☒ Bulk ☐ Soil ☐ Wipe ☐ Micro-Vac ☐ Drinking Water ☐ Wastewater ☐ Chips ☐ Other

ASBESTOS ANALYSIS

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

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

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

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

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

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

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

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

LEAD ANALYSIS

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

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

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

MICROBIAL ANALYSIS

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

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

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

MATERIALS ANALYSIS

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

IAQ ANALYSIS

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

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS 61/70 2 TEM NOB

Client Sample # (S): 4-3-JAC-01 - 4-3-JAC-54 4-3-JAC-100 - 4-3-JAC-111 TOTAL SAMPLE # 70

Relinquished:	John Cslar	Date: 4-3-13	Time: AM	
Received:	Tenira Foster Correction Request	Date:	Time:	
Relinquished:		Date: 4-17-13	Time: 3:45 PM	
Received:	Sandra Santana	Date: 4/17 3:35	Time:	

11:00am

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03/13/2015 (Revised)

SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
4-3-JAC-01	Flue patch cement	Room 001		NAD
4-3-JAC-02	Flue patch cement	Room 001		NAD
4-3-JAC-03	Boiler insulation	Room 001		70% Chrys
4-3-JAC-04	Boiler insulation	Room 001		DNA
4-3-JAC-05	Boiler insulation	Room 001		DNA
4-3-JAC-06	Boiler brick	Room 001		NAD
4-3-JAC-07	Boiler brick	Room 001		
4-3-JAC-08	Boiler brick	Room 001		
4-3-JAC-09	Gaskets on pipe joint	Room 001		
4-3-JAC-10	Gaskets on pipe joint	Room 001		
4-3-JAC-11	Ceramic tile adhesive	Room 003		<1% Chrys
4-3-JAC-12	Ceramic tile adhesive	Room 003		<1% Chrys
4-3-JAC-13	Ceramic tile grout	Room 003		NAD
~~4-3-JAC-14~~	~~Ceramic tile grout~~	~~Room 003~~		<1% Chrys
4-3-JAC-15	Adhesive on square ceramic floor tile	Room 003		NAD
4-3-JAC-16	Adhesive on square ceramic floor tile	Room 003		
4-3-JAC-17	Adhesive on bathroom wall panels	Room 003		
4-3-JAC-18	Adhesive on bathroom wall panels	Room 003		
4-3-JAC-19	Homasote	Room 003		
4-3-JAC-20	Homasote	Room 003		
4-3-JAC-21	Rough coat ceiling plaster	Room 003		
4-3-JAC-22	Rough coat ceiling plaster	Room 003		
4-3-JAC-22A	Rough coat ceiling plaster	Room 003		

S Sanford 4/17 @ 3:35pm

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03/31/2015 (Revised)

SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (inches sq.)
4-3-JAC-23	Rough coat ceiling plaster	Room 005		NAD
4-3-JAC-24	Rough coat ceiling plaster	Room 005		
4-3-JAC-25	Rough coat ceiling plaster	Room 006		
4-3-JAC-26	Rough coat ceiling plaster	Room 006		
4-3-JAC-27	Rough coat ceiling plaster	Room 007		
4-3-JAC-28	Skim coat ceiling plaster	Room 003		
4-3-JAC-29	Skim coat ceiling plaster	Room 003		
4-3-JAC-29A	Skim coat ceiling plaster	Room 003		
4-3-JAC-30	Skim coat ceiling plaster	Room 005		
4-3-JAC-31	Skim coat ceiling plaster	Room 005		
4-3-JAC-32	Skim coat ceiling plaster	Room 006		
4-3-JAC-33	Skim coat ceiling plaster	Room 006		
4-3-JAC-34	Skim coat ceiling plaster	Room 007		
~~4-3-JAC-35~~	~~Black mastic under white 12"x12" FT~~	~~Room 005~~		
4-3-JAC-36	Black mastic under white 12"x12" FT	Room 005		
4-3-JAC-37	12"x12" White Floor tile	Room 005		
4-3-JAC-38	12"x12" White Floor tile	Room 005		
4-3-JAC-39	Sheetrock	Room 004		
4-3-JAC-40	Sheetrock	Room 004		
4-3-JAC-41	Brown cove base adhesive	Room 005		
4-3-JAC-42	Brown cove base adhesive	Room 005		
4-3-JAC-43	Brown vinyl cove base	Room 005		
4-3-JAC-44	Brown vinyl cove base	Room 005		
4-3-JAC-45	Strip glue on wall wood panel	Room 005		3% Chrys
4-3-JAC-46	Strip glue on wall wood panel	Room 005		DNA

PPanfore 4/17 @ 3:35p

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03/31/15 (Revised)

SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
4-3-JAC-47	Exterior window caulk	Façade		7% Chrys
4-3-JAC-48	Exterior window caulk	Façade		DNA
4-3-JAC-49	Type 2 window caulk	Façade B		NAD
4-3-JAC-50	Type 2 window caulk	Façade B		NAD
4-3-JAC-51	Window glazing compound	Façade A		3% Chrys
4-3-JAC-51A	Window glazing compound	Façade A		DNA
4-3-JAC-52	Interior window glazing	Room 007		2% Chrys
4-3-JAC-52A	Interior window glazing	Room 007		DNA
4-3-JAC-53	Caulk on door frame	Façade A		NAD
4-3-JAC-54	Caulk on door frame	Façade A		
4-3-JAC-100	Built up roof top layer	Roof		
4-3-JAC-101	Built up roof top layer	Roof		
4-3-JAC-102	Built up roof bottom layer	Roof		
~~4-3-JAC-103~~	~~Built up roof bottom layer~~	~~Roof~~		
4-3-JAC-104	Joint sealant	Roof		18% Chrys
4-3-JAC-105	Joint sealant	Roof		DNA
4-3-JAC-106	Vent flashing	Roof		22% Chrys
4-3-JAC-107	Vent flashing	Roof		DNA
4-3-JAC-108	Perimeter flashing	Roof		NAD
4-3-JAC-109	Perimeter flashing	Roof		NAD
4-3-JAC-110	Silver paint	Roof		55% Chrys
4-3-JAC-111	Silver paint	Roof		DNA

S Sanford 4/17 @ 3:35.

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

EMSL Order:	031313615
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/05/13 11:09 AM
Analysis Date:	4/9/2013
Collected:	4/3/2013

Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ PUMPING STATION/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos %	Type
4-3-JAC-01 *031313615-0001*	FLUE PATCH CEMENT - ROOM 001	Gray Non-Fibrous Homogeneous	18%	Wollastonite	82%	Non-fibrous (other)		**None Detected**
4-3-JAC-02 *031313615-0002*	FLUE PATCH CEMENT - ROOM 001	Gray/White Non-Fibrous Heterogeneous	15%	Wollastonite	15% 30% 40%	Quartz Ca Carbonate Non-fibrous (other)		**None Detected**
4-3-JAC-03 *031313615-0003*	BOILER INSULATION - ROOM 001	Brown/Tan Fibrous Homogeneous			15% 15%	Ca Carbonate Non-fibrous (other)	**70%**	**Chrysotile**
4-3-JAC-04 *031313615-0004*	BOILER INSULATION - ROOM 001							**Stop Positive (Not Analyzed)**
4-3-JAC-05 *031313615-0005*	BOILER INSULATION - ROOM 001							**Stop Positive (Not Analyzed)**
4-3-JAC-06 *031313615-0006*	BOILER BRICK - ROOM 001	Tan/Red/Black Non-Fibrous Heterogeneous			5% 95%	Quartz Non-fibrous (other)		**None Detected**
			Inseparable paint / coating layer included in analysis					
4-3-JAC-07 *031313615-0007*	BOILER BRICK - ROOM 001	Brown/Red/Black Non-Fibrous Heterogeneous	2%	Cellulose	12% 86%	Ca Carbonate Non-fibrous (other)		**None Detected**
			Inseparable paint / coating layer included in analysis					

Analyst(s)

Henry Akintunde (2) *Steve Jusczuk (21)*
Jon Williams (38)

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report Amended: 04/18/2013 17:24:45 Replaces the Inital Report 04/09/2013 10:32:08. Reason Code: Client-Other (see report comment)

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EMSL Order:	031313615
CustomerID:	EEVM50
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ProjectID:	

Attn: **Brandy LeBlanc**
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531 North Main St.
Bristol, CT 06010

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/05/13 11:09 AM
Analysis Date:	4/9/2013
Collected:	4/3/2013

Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ PUMPING STATION/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-08 *031313615-0008*	BOILER BRICK - ROOM 001	Gray/Tan/Red Non-Fibrous Heterogeneous	3% Cellulose	7% Quartz 90% Non-fibrous (other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4-3-JAC-09 *031313615-0009*	GASKETS ON PIPE JOINT - ROOM 001	Brown/Black Non-Fibrous Heterogeneous	1% Cellulose	99% Non-fibrous (other)	**None Detected**
4-3-JAC-10 *031313615-0010*	GASKETS ON PIPE JOINT - ROOM 001	Brown/Black Non-Fibrous Heterogeneous		85% Matrix 15% Non-fibrous (other)	**None Detected**
4-3-JAC-11 *031313615-0011*	CERAMIC TILE ADHESIVE - ROOM 003	Tan Non-Fibrous Heterogeneous		50% Quartz 28% Ca Carbonate 22% Non-fibrous (other)	**<1% Chrysotile**
4-3-JAC-12 *031313615-0012*	CERAMIC TILE ADHESIVE - ROOM 003	Tan Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (other)	**<1% Chrysotile**
4-3-JAC-13 *031313615-0013*	CERAMIC TILE GROUT - ROOM 003	Tan/White Non-Fibrous Homogeneous		20% Quartz 45% Ca Carbonate 35% Non-fibrous (other)	**None Detected**
4-3-JAC-14 *031313615-0014*	CERAMIC TILE GROUT - ROOM 003	White Non-Fibrous Heterogeneous		20% Quartz 65% Ca Carbonate 15% Non-fibrous (other)	**<1% Chrysotile**
			Inseparable grout and mortar / adhesive.		

Analyst(s)

Henry Akintunde (2) *Steve Jusczuk (21)*
Jon Williams (38)

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report Amended: 04/18/2013 17:24:45 Replaces the Inital Report 04/09/2013 10:32:08. Reason Code: Client-Other (see report comment)

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Phone: (860) 589-8257
Fax: (860) 585-7034
Received: 04/05/13 11:09 AM
Analysis Date: 4/9/2013
Collected: 4/3/2013

Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ PUMPING STATION/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-15 *031313615-0015*	ADHESIVE ON SQUARE CERAMIC FLOOR TILE - ROOM 003	Brown Non-Fibrous Homogeneous	3% Cellulose <1% Fibrous (other)	15% Quartz 40% Ca Carbonate 42% Non-fibrous (other)	**None Detected**
4-3-JAC-16 *031313615-0016*	ADHESIVE ON SQUARE CERAMIC FLOOR TILE - ROOM 003	Gray Non-Fibrous Heterogeneous		50% Quartz 30% Ca Carbonate 20% Non-fibrous (other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4-3-JAC-17 *031313615-0017*	ADHESIVE ON BATHROOM WALL PANELS - ROOM 003	Brown/Tan Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (other)	**None Detected**
4-3-JAC-18 *031313615-0018*	ADHESIVE ON BATHROOM WALL PANELS - ROOM 003	Gray/Tan Non-Fibrous Homogeneous	5% Cellulose	45% Ca Carbonate 35% Matrix 15% Non-fibrous (other)	**None Detected**
4-3-JAC-19 *031313615-0019*	HOMASOTE - ROOM 003	Brown/White Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	**None Detected**
4-3-JAC-20 *031313615-0020*	HOMASOTE - ROOM 003	Brown/Tan Fibrous Heterogeneous	65% Cellulose	25% Matrix 10% Non-fibrous (other)	**None Detected**
			Sample is Masonite with inseparable adhesive. Not "Homasote."		

Analyst(s)

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Jon Williams (38)

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report Amended: 04/18/2013 17:24:45 Replaces the Inital Report 04/09/2013 10:32:08. Reason Code: Client-Other (see report comment)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Fibrous %	Non-Fibrous	Asbestos % Type
4-3-JAC-21 *031313615-0021*	ROUGH COAT CEILING PLASTER - ROOM 003	Brown Non-Fibrous Homogeneous	3%	Hair	50% 47%	Quartz Non-fibrous (other)	**None Detected**
4-3-JAC-22 *031313615-0022*	ROUGH COAT CEILING PLASTER - ROOM 003	Brown Non-Fibrous Homogeneous	4%	Hair	45% 51%	Quartz Non-fibrous (other)	**None Detected**
4-3-JAC-22A *031313615-0023*	ROUGH COAT CEILING PLASTER - ROOM 003	Tan Non-Fibrous Homogeneous	1%	Hair	48% 51%	Quartz Non-fibrous (other)	**None Detected**
4-3-JAC-23 *031313615-0024*	ROUGH COAT CEILING PLASTER - ROOM 005	Tan/White Non-Fibrous Homogeneous			65% 35%	Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-24 *031313615-0025*	ROUGH COAT CEILING PLASTER - ROOM 005	Gray/White Non-Fibrous Heterogeneous			60% 40%	Ca Carbonate Non-fibrous (other)	**None Detected**
			Inseparable paint / coating layer included in analysis				
4-3-JAC-25 *031313615-0026*	ROUGH COAT CEILING PLASTER - ROOM 006	White Non-Fibrous Homogeneous			55% 35% 10%	Gypsum Ca Carbonate Non-fibrous (other)	**None Detected**

Analyst(s)

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Jon Williams (38)

James Hall, Laboratory Manager
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Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ PUMPING STATION/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos % Type
4-3-JAC-26 *031313615-0027*	ROUGH COAT CEILING PLASTER - ROOM 006	Tan Non-Fibrous Homogeneous	2%	Cellulose	40% 58%	Quartz Non-fibrous (other)	**None Detected**
			Sample is rough coat only				
4-3-JAC-27 *031313615-0028*	ROUGH COAT CEILING PLASTER - ROOM 007	Tan Non-Fibrous Homogeneous	2% 2%	Cellulose Hair	45% 51%	Quartz Non-fibrous (other)	**None Detected**
			Sample is rough coat only				
4-3-JAC-28 *031313615-0029*	SKIM COAT CEILING PLASTER - ROOM 003	Brown Non-Fibrous Homogeneous	4% 2%	Hair Cellulose	50% 44%	Quartz Non-fibrous (other)	**None Detected**
			Sample is rough coat only				
4-3-JAC-29 *031313615-0030*	SKIM COAT CEILING PLASTER - ROOM 003	Tan/White Non-Fibrous Heterogeneous	<1%	Hair	50% 15% 35%	Quartz Ca Carbonate Non-fibrous (other)	**None Detected**
			Sample is rough coat.				
4-3-JAC-29A *031313615-0031*	SKIM COAT CEILING PLASTER - ROOM 003	White Non-Fibrous Homogeneous			70% 30%	Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-30 *031313615-0032*	SKIM COAT CEILING PLASTER - ROOM 005	Tan/White Non-Fibrous Heterogeneous	<1%	Hair	50% 15% 35%	Quartz Ca Carbonate Non-fibrous (other)	**None Detected**
			Sample is rough coat.				

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-31 *031313615-0033*	SKIM COAT CEILING PLASTER - ROOM 005	White/Green Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (other)	**None Detected**
			Inseparable paint/ coating layer included in analysis		
4-3-JAC-32 *031313615-0034*	SKIM COAT CEILING PLASTER - ROOM 006	White/Green Non-Fibrous Heterogeneous		55% Ca Carbonate 45% Non-fibrous (other)	**None Detected**
			Inseparbale paint/ coating layer included in analysis.		
4-3-JAC-33 *031313615-0035*	SKIM COAT CEILING PLASTER - ROOM 006	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	**None Detected**
4-3-JAC-34 *031313615-0036*	SKIM COAT CEILING PLASTER - ROOM 007	White Non-Fibrous Homogeneous		50% Gypsum 50% Non-fibrous (other)	**None Detected**
4-3-JAC-35 *031313615-0037*	BLACK MASTIC UNDER WHITE 12" X 12" FLOOR TILE - ROOM 005	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	**None Detected**
4-3-JAC-36 *031313615-0038*	BLACK MASTIC UNDER WHITE 12" X 12" FLOOR TILE - ROOM 005	Black Non-Fibrous Homogeneous	4% Cellulose	85% Matrix 11% Non-fibrous (other)	**None Detected**

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos % Type
4-3-JAC-37 *031313615-0039*	12" X 12" WHITE FLOOR TILE - ROOM 005	Tan/White Non-Fibrous Homogeneous			20% 80%	Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-38 *031313615-0040*	12" X 12" WHITE FLOOR TILE - ROOM 005	Tan/White Non-Fibrous Homogeneous			60% 35% 5%	Ca Carbonate Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-39 *031313615-0041*	SHEETROCK - ROOM 004	Brown/White Non-Fibrous Heterogeneous	18%	Cellulose	50% 32%	Gypsum Non-fibrous (other)	**None Detected**
4-3-JAC-40 *031313615-0042*	SHEETROCK - ROOM 004	Brown/White Fibrous Heterogeneous	28%	Cellulose	50% 17% 5%	Gypsum Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-41 *031313615-0043*	BROWN COVE BASE ADHESIVE - ROOM 005	Brown Non-Fibrous Homogeneous	3%	Cellulose	97%	Non-fibrous (other)	**None Detected**
4-3-JAC-42 *031313615-0044*	BROWN COVE BASE ADHESIVE - ROOM 005	Brown Non-Fibrous Homogeneous	4%	Cellulose	85% 11%	Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-43 *031313615-0045*	BROWN VINYL COVE BASE - ROOM 005	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-44 *031313615-0046*	BROWN VINYL COVE BASE - ROOM 005	Brown Non-Fibrous Homogeneous		35% Ca Carbonate 60% Matrix 5% Non-fibrous (other)	**None Detected**
4-3-JAC-45 *031313615-0047*	STRIP GLUE ON WALL WOOD PANEL - ROOM 005	Black Non-Fibrous Homogeneous	2% Fibrous (other)	80% Matrix 15% Non-fibrous (other)	**3% Chrysotile**
4-3-JAC-46 *031313615-0048*	STRIP GLUE ON WALL WOOD PANEL - ROOM 005				**Stop Positive (Not Analyzed)**
4-3-JAC-47 *031313615-0049*	EXTERIOR WINDOW CAULK - FAÇADE	Brown/Gray Non-Fibrous Heterogeneous		23% Ca Carbonate 70% Non-fibrous (other)	**7% Chrysotile**
4-3-JAC-48 *031313615-0050*	EXTERIOR WINDOW CAULK - FAÇADE				**Stop Positive (Not Analyzed)**
4-3-JAC-49 *031313615-0051*	TYPE 2 WINDOW CAULK - FAÇADE B	Gray/Blue Non-Fibrous Heterogeneous		55% Quartz 45% Non-fibrous (other)	**None Detected**

Inseparable paint / coating layer included in analysis

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-50 *031313615-0052*	TYPE 2 WINDOW CAULK - FAÇADE B	Gray Non-Fibrous Heterogeneous		55% Quartz 20% Ca Carbonate 25% Non-fibrous (other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4-3-JAC-51 *031313615-0053*	WINDOW GLAZING COMPOUND - FAÇADE A	Brown/Tan Non-Fibrous Homogeneous		38% Ca Carbonate 59% Non-fibrous (other)	**3% Chrysotile**
4-3-JAC-51A *031313615-0054*	WINDOW GLAZING COMPOUND - FAÇADE A				**Stop Positive (Not Analyzed)**
4-3-JAC-52 *031313615-0055*	INTERIOR WINDOW GLAZING - ROOM 007	Tan Non-Fibrous Homogeneous	2% Fibrous (other)	40% Ca Carbonate 56% Non-fibrous (other)	**2% Chrysotile**
4-3-JAC-52A *031313615-0056*	INTERIOR WINDOW GLAZING - ROOM 007				**Stop Positive (Not Analyzed)**
4-3-JAC-53 *031313615-0057*	CAULK ON DOOR FRAME - FAÇADE A	Brown/Gray/Tan Non-Fibrous Heterogeneous	3% Fibrous (other)	10% Ca Carbonate 87% Non-fibrous (other)	**None Detected**
			TEM recommended		

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Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos %	Type
4-3-JAC-54 *031313615-0058*	CAULK ON DOOR FRAME - FAÇADE A	Gray/Red/Blue Non-Fibrous Heterogeneous			30% 45% 25%	Quartz Matrix Non-fibrous (other)		**None Detected**
4-3-JAC-100 *031313615-0059*	BUILT-UP ROOF/ TOP LAYER - ROOF	Brown/Black Fibrous Heterogeneous	35% 4%	Cellulose Glass	61%	Non-fibrous (other)		**None Detected**
4-3-JAC-101 *031313615-0060*	BUILT-UP ROOF/ TOP LAYER - ROOF	Black Fibrous Homogeneous	45%	Cellulose	50% 5%	Matrix Non-fibrous (other)		**None Detected**
4-3-JAC-102 *031313615-0061*	BUILT-UP ROOF/ BOTTOM LAYER - ROOF	Brown/Black Fibrous Heterogeneous	10% 15%	Cellulose Glass	75%	Non-fibrous (other)		**None Detected**
4-3-JAC-103 *031313615-0062*	BUILT-UP ROOF/ BOTTOM LAYER - ROOF	Brown/Black Fibrous Homogeneous	6% 19%	Glass Cellulose	55% 20%	Matrix Non-fibrous (other)		**None Detected**
4-3-JAC-104 *031313615-0063*	JOINT SEALANT - ROOF	Gray/Black Fibrous Heterogeneous	20%	Cellulose	62%	Non-fibrous (other)	**18%**	**Chrysotile**
4-3-JAC-105 *031313615-0064*	JOINT SEALANT - ROOF							**Stop Positive (Not Analyzed)**
4-3-JAC-106 *031313615-0065*	VENT FLASHING - ROOF	Brown/Black Fibrous Heterogeneous	10% 10%	Cellulose Glass	58%	Non-fibrous (other)	**22%**	**Chrysotile**

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			Non-Asbestos				Asbestos	
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	%	Type
4-3-JAC-107 *031313615-0066*	VENT FLASHING - ROOF						**Stop Positive (Not Analyzed)**	
4-3-JAC-108 *031313615-0067*	PERIMETER FLASHING - ROOF	Brown/Black Fibrous Heterogeneous	28%	Cellulose	72%	Non-fibrous (other)	**None Detected**	
4-3-JAC-109 *031313615-0068*	PERIMETER FLASHING - ROOF	Black Fibrous Heterogeneous	25%	Cellulose	65% 10%	Matrix Non-fibrous (other)	**None Detected**	
4-3-JAC-110 *031313615-0069*	SILVER PAINT - ROOF	Brown/White Fibrous Heterogeneous	10% 5%	Cellulose Glass	30%	Non-fibrous (other)	**55%**	**Chrysotile**
			Sample is insulation					
4-3-JAC-111 *031313615-0070*	SILVER PAINT - ROOF						**Stop Positive (Not Analyzed)**	

Note: Report re-entered in numerical order as per clients revised coc.

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report Amended: 04/18/2013 17:24:45 Replaces the Inital Report 04/09/2013 10:32:08. Reason Code: Client-Other (see report comment)

THIS IS THE LAST PAGE OF THE REPORT.

EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT NAME: CDR Maguire, Inc

PROJECT LOCATION: Pumping Station - 34 East Main St, Middletown

PROJECT NUMBER: 13-062.10

LAB REFERENCE NUMBER: 031313615

NOB TEM SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
04-03-JAC-11	**Room 003**	**Ceramic Tile Adhesive**	NAD
04-03-JAC-14	**Room 003**	**Ceramic Tile Grout**	NAD

TEST METHOD. **TEM ELAP 198.4 METHOD** TURNAROUND TIME: **24 HOURS**

Special Instructions: Stop on first positive for each set of samples. Please do not separate samples. Do not fax chain of custody.

Special Instructions: Please e-mail results to bleblanc@eagleenviro.com, tfoster@eagleenviro.com, jlamattina@eagleenviro.com, dwynne@eagleenviro.com

Samples Collected By:	**John Coletti**	Date:	**04-03-2013**	Time:	**AM**
Samples Faxed By:	**Temra Foster**	Date:	**04-11-2013**	Time:	**PM**
Samples Received By:	Sandra Sanford	Date:	4/11/13	Time:	12:40pm

531 NORTH MAIN STREET • BRISTOL, CT 06010
PHONE (860) 589-8257 • FAX (860) 585-7034

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CustomerID: EEVM50
CustomerPO:
ProjectID:

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Phone: (860) 589-8257
Fax: (860) 585-7034
Received: 04/05/13 11:09 AM
Analysis Date: 4/12/2013
Collected: 4/3/2013

Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ PUMPING STATION/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
4-3-JAC-11 *031313615-0011*	CERAMIC TILE ADHESIVE - ROOM 003	White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
4-3-JAC-14 *031313615-0014*	CERAMIC TILE GROUT - ROOM 003	White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s)
Derrick Young (2)

James Hall, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from 04/12/2013 13:10:36

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Your Name:	Brandy LeBlanc	**Project Manager:**	AR
Company:	Eagle Environmental, Inc.		03133705
Street:	531 North Main Street		
City/State/Zip:	Bristol, CT 06010		
Phone:	860-589-8257 ext. 203	**Fax:** 860-585-7034	**Email:** tfoster@eagleenviro.com,bleblanc@eagleenviro.com jlamattina@eagleenviro.com,dwynne@eagleenviro.com
Project Name	Haz Inspection - CDR Maguire, Inc	**Project #:**	13-062.10
Project Location:	Incinerator - 34 East Main St, Middletown	**Project State (US):**	CT

TURNAROUND TIME

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

SAMPLE MATRIX

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

ASBESTOS ANALYSIS

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

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

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

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

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

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

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

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

LEAD ANALYSIS

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

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

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

MATERIALS ANALYSIS

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

MICROBIAL ANALYSIS

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

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

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

IAQ ANALYSIS

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

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

Client Sample # (S)	4-3-JAC-55 - 4-3-JAC-71	4-3-JAC-112 - 4-3-JAC-121		**TOTAL SAMPLE #**	27
Relinquished:	COLATA	**Date:**	4/4/13	**Time:**	PM
Received:		**Date:**		**Time:**	
Relinquished:		**Date:**		**Time:**	
Received:		**Date:**	4/5/13	**Time:**	11:12 AM

Fax results
7992 6377 5543

24/27

ITEM NOB

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Westmont, NJ 08108
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03/3/3705

	SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
Set	4-3-JAC-55	Ceiling tiles debris on stairway	Room 011		NAD
	4-3-JAC-56	Ceiling tiles debris on stairway	Room 011		
Set	4-3-JAC-57	Homasote on bathroom ceiling	Room 013		
	4-3-JAC-58	Homasote on bathroom ceiling	Room 013		
Set	4-3-JAC-59	Exterior door caulk	Façade A		
	4-3-JAC-60	Exterior door caulk	Façade A		
Set	4-3-JAC-61	Exterior window caulk	Façade D		
	4-3-JAC-62	Exterior window caulk	Façade D		
Set	4-3-JAC-63	Exterior window glazing compound	Façade D		3% Chrys
	4-3-JAC-64	Exterior window glazing compound	Façade D		DNA
Set	4-3-JAC-65	Expansion caulk on chimney	Façade C		NAD
	4-3-JAC-66	Expansion caulk on chimney	Façade C		
Set	4-3-JAC-67	Black tar on interior wall	Room 012		
	4-3-JAC-68	Black tar on interior wall	Room 012		
Set	4-3-JAC-69	Soft concrete on ceiling	Room 012		
	4-3-JAC-70	Soft concrete on ceiling	Room 012		
	4-3-JAC-71	Soft concrete on ceiling	Room 012		
Set	4-3-JAC-114	Built up roof top layer	Roof		5% Chrys
	4-3-JAC-115	Built up roof top layer	Roof		DNA
Set	4-3-JAC-112	Built up roof bottom layer	Roof		NAD
	4-3-JAC-113	Built up roof bottom layer	Roof		NAD
Set	4-3-JAC-116	Roof caulk to joint	Roof		8% Chrys
	4-3-JAC-117	Roof caulk to joint	Roof		DNA
Set	4-3-JAC-118	Silver paint	Roof		<1% Chrys
	4-3-JAC-119	Silver paint	Roof		<1% Chrys

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03131370S

SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
4-3-JAC-120	Flashing compound	Roof		NAD
4-3-JAC-121	Flashing compound	Roof		NAD

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EMSL Order:	031313705
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/05/13 11:12 AM
Analysis Date:	4/8/2013
Collected:	4/3/2013

Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ INCINERATOR/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
4-3-JAC-55 *031313705-0001*	CEILING TILE DEBRIS ON STAIRWAY - ROOM 011	Brown Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
4-3-JAC-56 *031313705-0002*	CEILING TILE DEBRIS ON STAIRWAY - ROOM 011	Brown/Tan Fibrous Heterogeneous	92%	Cellulose	8%	Non-fibrous (other)	**None Detected**
4-3-JAC-57 *031313705-0003*	HOMASOTE ON BATHROOM CEILING - ROOM 013	Brown Fibrous Heterogeneous	95%	Cellulose	5%	Non-fibrous (other)	**None Detected**
4-3-JAC-58 *031313705-0004*	HOMASOTE ON BATHROOM CEILING - ROOM 013	Brown/Tan Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
4-3-JAC-59 *031313705-0005*	EXTERIOR DOOR CAULK - FAÇADE A	Gray Non-Fibrous Heterogeneous			35% 65%	Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-60 *031313705-0006*	EXTERIOR DOOR CAULK - FAÇADE A	Brown/Gray/Rust Non-Fibrous Heterogeneous			40% 25% 35%	Quartz Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-61 *031313705-0007*	EXTERIOR WINDOW CAULK - FAÇADE D	Gray Non-Fibrous Heterogeneous			75% 5% 20%	Quartz Mica Non-fibrous (other)	**None Detected**

Analyst(s)

Daena Charles (14) *Steve Jusczuk (9)*
Jon Williams (1)

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/08/2013 18:57:22

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EMSL Order:	031313705
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Attn: **Brandy LeBlanc**
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Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ INCINERATOR/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-62 *031313705-0008*	EXTERIOR WINDOW CAULK - FAÇADE D	Gray Non-Fibrous Heterogeneous		50% Quartz 30% Ca Carbonate 20% Non-fibrous (other)	**None Detected**
4-3-JAC-63 *031313705-0009*	EXTERIOR WINDOW GLAZING COMPOUND - FAÇADE D	Gray/Tan Non-Fibrous Heterogeneous		30% Ca Carbonate 67% Non-fibrous (other)	3% **Chrysotile**
4-3-JAC-64 *031313705-0010*	EXTERIOR WINDOW GLAZING COMPOUND - FAÇADE D				**Stop Positive (Not Analyzed)**
4-3-JAC-65 *031313705-0011*	EXPANSION CAULK ON CHIMNEY - FAÇADE C	Gray/White Non-Fibrous Heterogeneous	<1% Fibrous (other)	15% Quartz 40% Ca Carbonate 45% Non-fibrous (other)	**None Detected**
4-3-JAC-66 *031313705-0012*	EXPANSION CAULK ON CHIMNEY - FAÇADE C	White Non-Fibrous Homogeneous	3% Fibrous (other) TEM recommended.	72% Ca Carbonate 25% Non-fibrous (other)	**None Detected**
4-3-JAC-67 *031313705-0013*	BLACK TAR ON INTERIOR WALL - ROOM 012	Black Non-Fibrous Heterogeneous		5% Quartz 20% Matrix 75% Non-fibrous (other)	**None Detected**

Analyst(s)

Daena Charles (14) *Steve Jusczuk (9)*
Jon Williams (1)

James Hall, Laboratory Manager
or other approved signatory

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EMSL Order:	031313705
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Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ INCINERATOR/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
4-3-JAC-68 *031313705-0014*	BLACK TAR ON INTERIOR WALL - ROOM 012	Black Non-Fibrous Heterogeneous			15% 75% 10%	Ca Carbonate Matrix Non-fibrous (other)		**None Detected**
4-3-JAC-69 *031313705-0015*	SOFT CONCRETE ON CEILING - ROOM 012	Tan Non-Fibrous Heterogeneous			80% 20%	Quartz Non-fibrous (other)		**None Detected**
4-3-JAC-70 *031313705-0016*	SOFT CONCRETE ON CEILING - ROOM 012	Gray/Tan Non-Fibrous Heterogeneous			75% 25%	Quartz Non-fibrous (other)		**None Detected**
4-3-JAC-71 *031313705-0017*	SOFT CONCRETE ON CEILING - ROOM 012	Gray Non-Fibrous Heterogeneous			55% 20% 25%	Quartz Ca Carbonate Non-fibrous (other)		**None Detected**
4-3-JAC-114 *031313705-0018*	BUILT-UP ROOF/ TOP LAYER - ROOF	Black Fibrous Heterogeneous	8% 10%	Glass Cellulose	56% 21%	Matrix Non-fibrous (other)	**5%**	**Chrysotile**
4-3-JAC-115 *031313705-0019*	BUILT-UP ROOF/ TOP LAYER - ROOF							**Stop Positive (Not Analyzed)**
4-3-JAC-112 *031313705-0020*	BUILT-UP ROOF/ BOTTOM LAYER - ROOF	Black Fibrous Heterogeneous	9% 10%	Glass Cellulose	50% 31%	Matrix Non-fibrous (other)		**None Detected**

Analyst(s)

Daena Charles (14) *Steve Jusczuk (9)*
Jon Williams (1)

James Hall, Laboratory Manager
or other approved signatory

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Attn: **Brandy LeBlanc**
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Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ INCINERATOR/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	%	Type
4-3-JAC-113 *031313705-0021*	BUILT-UP ROOF/ BOTTOM LAYER - ROOF	Black Fibrous Heterogeneous	30%	Cellulose	60% 10%	Matrix Non-fibrous (other)		**None Detected**
4-3-JAC-116 *031313705-0022*	ROOF CAULK TO JOINT - ROOF	Black Non-Fibrous Heterogeneous			20% 72%	Matrix Non-fibrous (other)	**8%**	**Chrysotile**
4-3-JAC-117 *031313705-0023*	ROOF CAULK TO JOINT - ROOF							**Stop Positive (Not Analyzed)**
4-3-JAC-118 *031313705-0024*	SILVER PAINT - ROOF	Black Non-Fibrous Heterogeneous			6% 94%	Mica Non-fibrous (other)	**<1%**	**Chrysotile**
4-3-JAC-119 *031313705-0025*	SILVER PAINT - ROOF	Black/Silver Non-Fibrous Heterogeneous			2% 98%	Mica Non-fibrous (other)	**<1%**	**Chrysotile**
4-3-JAC-120 *031313705-0026*	FLASHING COMPOUND - ROOF	Red Non-Fibrous Heterogeneous			100%	Non-fibrous (other)		**None Detected**
4-3-JAC-121 *031313705-0027*	FLASHING COMPOUND - ROOF	Black Non-Fibrous Homogeneous			95% 5%	Matrix Non-fibrous (other)		**None Detected**

Analyst(s)

Daena Charles (14) *Steve Jusczuk (9)*
Jon Williams (1)

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/08/2013 18:57:22

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT NAME: CDR Maguire, Inc

PROJECT LOCATION: Incinerator Building - 34 East Main St, Middletown

PROJECT NUMBER: 13-062.10

LAB REFERENCE NUMBER: 031313705

TEM NOB SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
04-03-JAC-118	**Roof**	**Silver Paint**	NAD

TEST METHOD. **TEM ELAP 198.4 METHOD** TURNAROUND TIME: **24 HOURS**

Special Instructions: Stop on first positive for each set of samples. Please do not separate samples. Do not fax chain of custody.

Special Instructions: Please e-mail results to bleblanc@eagleenviro.com, tfoster@eagleenviro.com, jlamattina@eagleenviro.com, dwynne@eagleenviro.com

Samples Collected By:	**John Coletti**	Date:	**4-3-13**	Time:	**AM**
Samples Emailed By:	**Temra Foster**	Date:	**4-11-13**	Time:	**PM**
Samples Received By:	Sandra Sanfaro	Date:	4/11/13	Time:	12:48pm

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ProjectID:

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Phone: (860) 589-8257
Fax: (860) 585-7034
Received: 04/05/13 11:12 AM
Analysis Date: 4/12/2013
Collected: 4/3/2013

Project: **13.062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ INCINERATOR/ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
4-3-JAC-118 *031313705-0024*	SILVER PAINT - ROOF	Silver Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s)

Derrick Young (1)

James Hall, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from 04/12/2013 13:07:50

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2013 APR -5 AM 11:13

Your Name: Brandy LeBlanc **Project Manager:**
Company: Eagle Environmental, Inc.
Street: 531 North Main Street 03123711
City/State/Zip: Bristol, CT 06010
Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** tfoster@eagleenviro.com,bleblanc@eagleenviro.com jlamattina@eagleenviro.com,dwynne@eagleenviro.com
Project Name Haz Inspection - CDR Maguire, Inc **Project #:** 13-062.10
Project Location: Fire Training Bldg - 34 East Main St, Middletown **Project State (US):** CT

TURNAROUND TIME

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

SAMPLE MATRIX

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

ASBESTOS ANALYSIS

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

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

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

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

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

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

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

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

LEAD ANALYSIS

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

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

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

MATERIALS ANALYSIS

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

MICROBIAL ANALYSIS

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

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

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

IAQ ANALYSIS

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

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

Client Sample # (S) 4-3-JAC-72 - 4-3-JAC-99 4-3-JAC-122 - 4-3-JAC-123 **TOTAL SAMPLE #** 30

Relinquished:	COLETT	**Date:**	4/4/13	**Time:**	PM
Received:		**Date:**		**Time:**	
Relinquished:		**Date:**		**Time:**	
Received:		**Date:**	4/5/13	**Time:**	11:13AM

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03131371 1

	SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
Set	4-3-JAC-72	Gray mastic under 12"x12" white FT	Room 021		NAD
	4-3-JAC-73	Gray mastic under 12"x12" white FT	Room 021		
Set	4-3-JAC-74	12"x12" white floor tile	Room 021		
	4-3-JAC-75	12"x12" white floor tile	Room 021		
Set	4-3-JAC-76	Adhesive on beige vinyl cove base	Room 021		
	4-3-JAC-77	Adhesive on beige vinyl cove base	Room 021		
Set	4-3-JAC-78	Beige vinyl cove base	Room 021		
	4-3-JAC-79	Beige vinyl cove base	Room 021		
Set	4-3-JAC-80	2'x4' Suspended ceiling tiles	Room 021		
	4-3-JAC-81	2'x4' Suspended ceiling tiles	Room 021		
Set	4-3-JAC-82	Sheetrock/joint compound composite	Room 025		
	4-3-JAC-83	Sheetrock/joint compound composite	Room 025		
Set	4-3-JAC-84	Sheetrock	Room 025		
	4-3-JAC-85	Sheetrock	Room 025		
Set	4-3-JAC-86	Joint compound	Room 025		
	4-3-JAC-87	Joint compound	Room 025		
Set	4-3-JAC-88	Built up roof material	* FLAT ~~Lower~~ Roof		
	4-3-JAC-89	Built up roof material	* FLAT ~~Lower~~ Roof		
Set	4-3-JAC-90	Roof flashing	* FLAT ~~Lower~~ Roof		
	4-3-JAC-91	Roof flashing	* FLAT ~~Lower~~ Roof		
Set	4-3-JAC-92	Roof shingles	* ~~100 Bldg~~ PITCHED ROOF		
	4-3-JAC-93	Roof shingles	* ~~100 Bldg~~ PITCHED ROOF		
Set	4-3-JAC-94	Paper under shingles	* ~~100 Bldg~~ PITCHED ROOF		
	4-3-JAC-95	Paper under shingles	* ~~100 Bldg~~ PITCHED ROOF		

* Lemma Foster 4-15-2013

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0313711

SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
4-3-JAC-96	Window frame caulk	Façade A		NAD
4-3-JAC-97	Window frame caulk	Façade A		
4-3-JAC-98	Door frame caulk	Façade A		
4-3-JAC-99	Door frame caulk	Façade A		
4-3-JAC-122	Expansion caulk	Façade A		
4-3-JAC-123	Expansion caulk	Façade A		

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EMSL Order:	031313711
CustomerID:	EEVM50
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ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/05/13 11:13 AM
Analysis Date:	4/8/2013
Collected:	4/3/2013

Project: **13-062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ FIRE TRAINING BLDG./ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
4-3-JAC-72 *031313711-0001*	GRAY MASTIC UNDER 12" X 12" WHITE FLOOR TILE - ROOM 021	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
4-3-JAC-73 *031313711-0002*	GRAY MASTIC UNDER 12" X 12" WHITE FLOOR TILE - ROOM 021	Beige Non-Fibrous Homogeneous		75% Matrix 25% Non-fibrous (other)	**None Detected**
4-3-JAC-74 *031313711-0003*	12" X 12" WHITE FLOOR TILE - ROOM 021	White Non-Fibrous Heterogeneous		35% Ca Carbonate 65% Non-fibrous (other)	**None Detected**
4-3-JAC-75 *031313711-0004*	12" X 12" WHITE FLOOR TILE - ROOM 021	Gray/Tan Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	**None Detected**
4-3-JAC-76 *031313711-0005*	ADHESIVE ON BEIGE VINYL COVE BASE - ROOM 021	Tan Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
4-3-JAC-77 *031313711-0006*	ADHESIVE ON BEIGE VINYL COVE BASE - ROOM 021	Tan/Yellow Non-Fibrous Homogeneous		35% Ca Carbonate 55% Matrix 10% Non-fibrous (other)	**None Detected**
4-3-JAC-78 *031313711-0007*	BEIGE VINYL COVE BASE - ROOM 021	Beige Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kamel Alawawda (15)
Steve Jusczuk (15)

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/09/2013 00:32:07

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ProjectID:	

Attn: **Brandy LeBlanc**
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Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/05/13 11:13 AM
Analysis Date:	4/8/2013
Collected:	4/3/2013

Project: **13-062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ FIRE TRAINING BLDG./ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Fibrous %	Non-Fibrous	Asbestos % Type
4-3-JAC-79 *031313711-0008*	BEIGE VINYL COVE BASE - ROOM 021	Tan Non-Fibrous Homogeneous			25% 70% 5%	Ca Carbonate Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-80 *031313711-0009*	2' X 4' SUSPENDED CEILING TILES - ROOM 021	Gray/White Non-Fibrous Heterogeneous	45% 25%	Cellulose Glass	18% 12%	Perlite Non-fibrous (other)	**None Detected**
4-3-JAC-81 *031313711-0010*	2' X 4' SUSPENDED CEILING TILES - ROOM 021	Gray/White Fibrous Heterogeneous	15% 40%	Glass Cellulose	35% 10%	Perlite Non-fibrous (other)	**None Detected**
4-3-JAC-82 *031313711-0011*	SHEETROCK/ JOINT COMPOUND COMPOSITE - ROOM 025	Gray/White Non-Fibrous Heterogeneous	3% 1%	Cellulose Glass	55% 20% 21%	Gypsum Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-83 *031313711-0012*	SHEETROCK/ JOINT COMPOUND COMPOSITE - ROOM 025	Gray Non-Fibrous Homogeneous	<1% 2%	Glass Cellulose	75% 18% 5%	Gypsum Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-84 *031313711-0013*	SHEETROCK - ROOM 025	Brown/Gray Non-Fibrous Heterogeneous	22%	Cellulose	55% 23%	Gypsum Non-fibrous (other)	**None Detected**

Analyst(s)

Kamel Alawawda (15)
Steve Jusczuk (15)

James Hall, Laboratory Manager
or other approved signatory

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Initial report from 04/09/2013 00:32:07

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EMSL Order:	031313711
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Project: **13-062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ FIRE TRAINING BLDG./ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
4-3-JAC-85 *031313711-0014*	SHEETROCK - ROOM 025	Brown/Gray Fibrous Heterogeneous	<1% 8%	Glass Cellulose	80% 7% 5%	Gypsum Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-86 *031313711-0015*	JOINT COMPOUND - ROOM 025	White Non-Fibrous Heterogeneous			4% 65% 31%	Mica Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-87 *031313711-0016*	JOINT COMPOUND - ROOM 025	White Non-Fibrous Homogeneous			4% 86% 10%	Mica Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-88 *031313711-0017*	BUILT-UP ROOF MATERIAL - LOWER ROOF	Black Non-Fibrous Heterogeneous	4%	Cellulose	11% 85%	Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-89 *031313711-0018*	BUILT-UP ROOF MATERIAL - LOWER ROOF	Brown/Gray/Black Fibrous Heterogeneous	2% 3% 15%	Glass Synthetic Cellulose	15% 45% 20%	Ca Carbonate Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-90 *031313711-0019*	ROOF FLASHING - LOWER ROOF	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
4-3-JAC-91 *031313711-0020*	ROOF FLASHING - LOWER ROOF	Black Non-Fibrous Homogeneous			92% 8%	Matrix Non-fibrous (other)	**None Detected**

Analyst(s)

Kamel Alawawda (15)
Steve Jusczuk (15)

James Hall, Laboratory Manager
or other approved signatory

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Project: **13-062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ FIRE TRAINING BLDG./ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
4-3-JAC-92 *031313711-0021*	ROOF SHINGLES - 100 BLDG.	Black Non-Fibrous Heterogeneous	5%	Cellulose	15% 80%	Ca Carbonate Non-fibrous (other)	**None Detected**
4-3-JAC-93 *031313711-0022*	ROOF SHINGLES - 100 BLDG.	Black Fibrous Heterogeneous	20%	Cellulose	45% 35%	Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-94 *031313711-0023*	PAPER UNDER SHINGLES - 100 BLDG.	Black Fibrous Heterogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
4-3-JAC-95 *031313711-0024*	PAPER UNDER SHINGLES - 100 BLDG.	Black Fibrous Homogeneous	60%	Cellulose	37% 3%	Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-96 *031313711-0025*	WINDOW FRAME CAULK - FAÇADE A	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
4-3-JAC-97 *031313711-0026*	WINDOW FRAME CAULK - FAÇADE A	White Non-Fibrous Homogeneous			95% 5%	Matrix Non-fibrous (other)	**None Detected**
4-3-JAC-98 *031313711-0027*	DOOR FRAME CAULK - FAÇADE A	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
4-3-JAC-99 *031313711-0028*	DOOR FRAME CAULK - FAÇADE A	Gray Non-Fibrous Homogeneous			97% 3%	Matrix Non-fibrous (other)	**None Detected**

Analyst(s)
Kamel Alawawda (15)
Steve Jusczuk (15)

James Hall, Laboratory Manager
or other approved signatory

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

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/09/2013 00:32:07

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

EMSL Order:	031313711
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/05/13 11:13 AM
Analysis Date:	4/8/2013
Collected:	4/3/2013

Project: **13-062.10/ HAZ. INSPECTION/ CDR MAGUIRE INC./ FIRE TRAINING BLDG./ 34 EAST MAIN ST/ MIDDLETOWN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
4-3-JAC-122 *031313711-0029*	EXPANSION CAULK - FAÇADE A	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
4-3-JAC-123 *031313711-0030*	EXPANSION CAULK - FAÇADE A	Gray Non-Fibrous Homogeneous			97% 3%	Matrix Non-fibrous (other)	**None Detected**

Analyst(s)
Kamel Alawawda (15)
Steve Jusczuk (15)

James Hall, Laboratory Manager
or other approved signatory

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

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/09/2013 00:32:07

THIS IS THE LAST PAGE OF THE REPORT.

APPENDIX 3

XRF LEAD BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 04/03/13 14:32

INSPECTION FOR: Ms. Jane Witherell, Principal Eng.
CDR Maguire, Inc.
2080 Silas Deane Highway
Rocky Hill, CT 06067

PERFORMED AT: 34 East Main Street
Sewage Pump Station
Middletown, CT

INSPECTION DATE: 04/03/13

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002114

Lead-based paint screen for demo.

SIGNED: _____ **Date:** 4/3/13

John Coletti
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
531 North Main Street
Bristol, CT 06010

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Ms. Jane Witherell, Principal Eng.

Inspection Date:	04/03/13	34 East Main Street
Report Date:	4-5-2013	Sewage Pump Station
Abatement Level:	1.0	Middletown, CT
Report No.	04/03/13 14:32	
Total Readings:	20 Actionable: 9	
Job Started:	04/03/13 14:32	
Job Finished:	04/03/13 14:59	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Number Only									
020	A	Wall	Ctr		P	Concrete	N/A	1.0	QM
016	C	Wall	Ctr		P	Concrete	N/A	1.0	QM
Interior Room 001 Number Only									
013	A	Wall	U Ctr		P	Concrete	N/A	1.0	QM
Interior Room 003 Number Only									
001								1.0	QM
002								1.0	QM
003								1.0	QM
Interior Room 005 Number Only									
008	A	Baseboard	Ctr		P	Dry wall	N/A	2.7	QM
Interior Room 006 Number Only									
009	D	Wall	L Ctr		P	Concrete	N/A	3.6	QM
010	D	Door	Ctr	Lft casing	P	Metal	N/A	1.0	QM

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Ms. Jane Witherell, Principal Eng.

Inspection Date:	04/03/13	34 East Main Street
Report Date:	4-5-2013	Sewage Pump Station
Abatement Level:	1.0	Middletown, CT
Report No.	04/03/13 14:32	
Total Readings:	20	
Job Started:	04/03/13 14:32	
Job Finished:	04/03/13 14:59	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Number Only									
020	A	Wall	Ctr		P	Concrete	N/A	1.0	QM
016	C	Wall	Ctr		P	Concrete	N/A	1.0	QM
017	C	Wall	Ctr		P	Concrete	N/A	0.0	QM
014	C	Window	Ctr	Sill	P	Metal	N/A	0.3	QM
015	C	Window	Ctr	Sill	P	Metal	N/A	0.2	QM
018	D	Wall	Ctr		P	Concrete	N/A	0.3	QM
019	D	Wall	Ctr		P	Concrete	N/A	0.4	QM
Interior Room 001 Number Only									
013	A	Wall	U Ctr		P	Concrete	N/A	1.0	QM
Interior Room 003 Number Only									
001								1.0	QM
002								1.0	QM
003								1.0	QM
004								-0.1	QM
005	C	Wall	U Ctr		I	Ceramic	N/A	-0.2	QM
Interior Room 005 Number Only									
007	A	Wall	U Ctr		I	Dry wall	N/A	0.0	QM
008	A	Baseboard	Ctr		P	Dry wall	N/A	2.7	QM
006	C	Wall	U Ctr		I	Ceramic	N/A	0.4	QM
Interior Room 006 Number Only									
009	D	Wall	L Ctr		P	Concrete	N/A	3.6	QM
010	D	Door	Ctr	Lft casing	P	Metal	N/A	1.0	QM
Interior Room 007 Number Only									
011	A	Ceiling	Ctr		P	Plaster	N/A	0.0	QM
012	A	Ceiling	Ctr		P	Plaster	N/A	0.3	QM

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 04/03/13 15:01

INSPECTION FOR: Ms. Jane Witherell, Principal Eng.
CDR Maguire, Inc.
2080 Silas Deane Highway
Rocky Hill, CT 06067

PERFORMED AT: Incinerator Building
34 East Main Street
Middletown, CT

INSPECTION DATE: 04/03/13

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002114

Lead-based paint screen for the purpose of demo.

SIGNED: _____ **Date:** 4/03/13

John Coletti
Lead Inspector / Risk Assessor
Eagle Enviromental, Inc.
531 North Main Street
Bristol, CT 06010

Inspection Date:	04/03/13	Incinerator Building	
Report Date:	4-4-2013	34 East Main Street	
Abatement Level:	1.0	Middletown, CT	
Report No.	04/03/13 15:01		
Total Readings:	15 Actionable: 8		
Job Started:	04/03/13 15:01		
Job Finished:	04/03/13 15:20		

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Number Only									
014	C	Foundation	Lft		P	Concrete	N/A	1.0	QM
Interior Room 013 Number Only									
001	A	Wall	L Lft		P	Block	N/A	1.0	QM
003	C	Wall	L Lft		P	Block	N/A	1.3	QM
010	C	Door	Lft	Rgt casing	P	Metal	N/A	1.0	QM
011	C	Door	Lft	Rgt casing	P	Metal	N/A	1.0	QM
005	D	Door	Lft	Header	P	Metal	N/A	1.0	QM
006	D	Door	Lft	Rgt casing	P	Metal	N/A	1.8	QM
007	D	Door	Lft	Lft jamb	P	Metal	N/A	2.0	QM

---- End of Readings ----

Inspection Date:	04/03/13	Incinerator Building
Report Date:	4-4-2013	34 East Main Street
Abatement Level:	1.0	Middletown, CT
Report No.	04/03/13 15:01	
Total Readings:	15	
Job Started:	04/03/13 15:01	
Job Finished:	04/03/13 15:20	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Number Only									
013	C	Siding	Lft		P	Concrete	N/A	0.4	QM
014	C	Foundation	Lft		P	Concrete	N/A	1.0	QM
012	C	Door	Lft	Rgt casing	P	Metal	N/A	0.6	QM
015	D	Siding	Lft		P	Concrete	N/A	0.5	QM
Interior Room 012 Number Only									
008	C	Wall	Lft		P	Block	N/A	0.2	QM
Interior Room 013 Number Only									
001	A	Wall	L Lft		P	Block	N/A	1.0	QM
002	B	Wall	L Lft		P	Block	N/A	0.4	QM
003	C	Wall	L Lft		P	Block	N/A	1.3	QM
009	C	Door	Lft	Rgt casing	P	Metal	N/A	-0.1	QM
010	C	Door	Lft	Rgt casing	P	Metal	N/A	1.0	QM
011	C	Door	Lft	Rgt casing	P	Metal	N/A	1.0	QM
004	D	Wall	L Lft		P	Block	N/A	0.0	QM
005	D	Door	Lft	Header	P	Metal	N/A	1.0	QM
006	D	Door	Lft	Rgt casing	P	Metal	N/A	1.8	QM
007	D	Door	Lft	Lft jamb	P	Metal	N/A	2.0	QM

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 04/03/13 15:22

INSPECTION FOR: Ms. Jane Witherell, Principal Eng.
CDR Maguire, Inc.
2080 Silas Deane Highway
Rocky Hill, CT 06067

PERFORMED AT: Fire Training Building
34 East Main Street
Middletown, CT

INSPECTION DATE: 04/03/13

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002114

Lead-based paint screen for the purpose of demo.

SIGNED: _____ **Date:** 4/3/13

John Coletti
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
531 North Main Street
Bristol, CT 06010

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Marsans Witherell, Principal Eng.

Inspection Date:	04/03/13	Fire Training Building
Report Date:	4-4-2013	34 East Main Street
Abatement Level:	1.0	Middletown, CT
Report No.	04/03/13 15:22	
Total Readings:	22 Actionable: 1	
Job Started:	04/03/13 15:22	
Job Finished:	04/03/13 15:40	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Number Only									
019	C	Wall	Lft		I	Concrete	N/A	1.0	QM
Calibration Readings									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mercado Witherell, Principal Engr.

Inspection Date:	04/03/13	Fire Training Building
Report Date:	4-4-2013	34 East Main Street
Abatement Level:	1.0	Middletown, CT
Report No.	04/03/13 15:22	
Total Readings:	22	
Job Started:	04/03/13 15:22	
Job Finished:	04/03/13 15:40	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Number Only									
014	A	Window	Lft	Header	I	Metal	N/A	0.1	QM
017	C	Wall	Lft		I	Concrete	N/A	0.4	QM
019	C	Wall	Lft		I	Concrete	N/A	1.0	QM
021	C	Wall	Lft		I	Concrete	N/A	-0.1	QM
015	D	Wall	Lft		I	Concrete	N/A	0.4	QM
016	D	Wall	Lft		I	Concrete	N/A	0.1	QM
Interior Room 021 Number Only									
001	B	Wall	L Lft		P	Concrete	N/A	0.2	QM
002	B	Wall	L Lft		P	Concrete	N/A	0.4	QM
003	D	Wall	L Lft		P	Concrete	N/A	0.0	QM
004	D	Wall	L Lft		P	Concrete	N/A	0.1	QM
005	D	Door	Lft	Header	I	Metal	N/A	0.0	QM
Interior Room 022 Number Only									
010	A	Wall	Lft		I	Concrete	N/A	0.2	QM
011	C	Wall	Lft		I	Concrete	N/A	0.4	QM
012	C	Wall	Lft		I	Concrete	N/A	0.4	QM
013	D	Wall	Lft		I	Concrete	N/A	-0.1	QM
Interior Room 024 Number Only									
006	A	Wall	Lft		I	Concrete	N/A	0.4	QM
007	B	Wall	Lft		I	Concrete	N/A	0.3	QM
008	C	Wall	Lft		I	Concrete	N/A	-0.1	QM
009	D	Wall	Lft		I	Concrete	N/A	0.4	QM
Calibration Readings									
018								1.0	QM
020								1.0	QM
022								-0.1	QM

---- End of Readings ----

APPENDIX 4

LEAD WASTE CHARACTERIZATION LABORATORY REPORTS AND COMPUTATION TABLE

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 10, 2013

Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Project ID: 34 EAST MAIN ST., MIDDLETOWN
Sample ID#s: BD56201

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

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

April 10, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	LB	04/05/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	13-062.10				

Laboratory Data

SDG ID: GBD56201
Phoenix ID: BD56201

Project ID: 34 EAST MAIN ST., MIDDLETOWN
Client ID: 405-JAC-T2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	04/08/13	EK	SW6010
TCLP Metals Digestion	Completed			04/08/13	X/X	SW3005
TCLP Extraction for Metals	Completed			04/05/13	X	EPA 1311
TCLP Sample Size Reduction	Completed			04/05/13	SHOP	1311

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

Comments:

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

Phyllis Shiller, Laboratory Director
April 10, 2013
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

April 10, 2013

QA/QC Data

SDG I.D.: GBD56201

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 225480, QC Sample No: BD55392 (BD56201)												
ICP Metals - TCLP Extraction												
Lead	BRL	17.1	20.2	16.6	95.1	96.4	1.4	NC	NC	NC	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
April 10, 2013

Sample Criteria Exceedences Report

GBD56201 - 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 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.

Cooler: Yes ☐ Not ☑
Coolant: IPK ☐ ICE ☐ N ☑

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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

Temp 5.4 °C Pg of

Data Delivery:
☐ Fax #:
☑ Email:

SEWAGE BUILDING

Customer: EAGLE ENVIRONMENTAL
Address: 535 N. MAIN ST
BRISTOL CT 06010

Project: 37 EAST MAIN ST
Report to: A. R MIDDLETOWN
Invoice to: B. R

Project P.O: 13-062.10
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Colette Date: 4/5/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request: LEAD TCLP COMPOSITE

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	ZIPLOCK BAG	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
51020 1	405-JAC-T2	S	4/3/13	PM	J										

Relinquished by:	Accepted by:	Date:	Time:
Colette		4/5/13	PM

Comments, Special Requirements or Regulations:

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

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

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

State where samples were collected: CT

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 10, 2013

Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Project ID: INCINERATOR BUILD 34 EAST MAIN ST.
Sample ID#s: BD55792

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

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

April 10, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	LB	04/05/13	13:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	13-062.10				

Laboratory Data

SDG ID: GBD55792
Phoenix ID: BD55792

Project ID: INCINERATOR BUILD 34 EAST MAIN ST.
Client ID: 405-JAC-T11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	04/08/13	LK	SW6010
TCLP Metals Digestion	Completed			04/08/13	X/X	SW3005
TCLP Extraction for Metals	Completed			04/05/13	X	EPA 1311
TCLP Sample Size Reduction	Completed			04/05/13	SHOP	1311

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 10, 2013
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

April 10, 2013

QA/QC Data

SDG I.D.: GBD55792

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 225479, QC Sample No: BD56019 (BD55792)												
ICP Metals - TCLP Extraction												
Lead	BRL	0.019	0.018	NC	91.2	93.6	2.6	94.0	91.8	2.4	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
April 10, 2013

Wednesday, April 10, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBD55792 - 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 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.

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ N ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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

Temp 18 °C Pg of

Data Delivery:
☐ Fax #:
☐ Email: BLcblanco@eagleenviro.com

INCINERATOR BUILD

Customer: EAGLE ENVIRONMENTAL
Address: 531 NORTH MAIN ST
BRISTOL CT 06010

Project: 34 EAST MAIN ST
Report to: A.R. MIDDLETON
Invoice to: B.L.

Project P.O: 13-062.10
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Coleth Date: 4/5/14

Matrix Code:
DW=Drinking Water. GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request: LEAD TCLP COMPOSITE

PHOENIX USE ONLY SAMPLE # (B)	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	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
65792	405-JAC-TC1	S	4/3/14	pm										

INCINERATOR BUILD COMP

Relinquished by:	Accepted by:	Date:	Time:
Coleth		4/5/14	am
		4/15/13	13:34

Comments, Special Requirements or Regulations:

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

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

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

State where samples were collected: CT

APPENDIX 5

PCB BULK SAMPLE LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 09, 2013

Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Project ID: 13-062.10/34 EAST MAIN ST
Sample ID#s: BD55250 - BD55255

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 09, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	SW	04/04/13	14:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD55250
Phoenix ID: BD55250

Project ID: 13-062.10/34 EAST MAIN ST
Client ID: 403 JAC-WC-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	04/04/13		E160.3
Caulk Extraction for PCB	Completed			04/04/13	BP/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1221	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1232	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1242	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1248	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1254	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1260	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1262	ND	830	ug/Kg	04/05/13	AW	3540C/8082
PCB-1268	ND	830	ug/Kg	04/05/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	04/05/13	AW	30 - 150 %
% TCMX	80		%	04/05/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

%SOLIDS ASSUMED 100%

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 09, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

April 09, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	SW	04/04/13	14:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD55250
Phoenix ID: BD55251

Project ID: 13-062.10/34 EAST MAIN ST
Client ID: 403 JAC-WC-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	04/04/13		E160.3
Caulk Extraction for PCB	Completed			04/04/13	BP/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1221	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1232	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1242	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1248	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1254	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1260	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1262	ND	820	ug/Kg	04/05/13	AW	3540C/8082
PCB-1268	ND	820	ug/Kg	04/05/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	04/05/13	AW	30 - 150 %
% TCMX	81		%	04/05/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

%SOLIDS ASSUMED 100%

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Phyllis Shiller, Laboratory Director
April 09, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 09, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	SW	04/04/13	14:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD55250
Phoenix ID: BD55252

Project ID: 13-062.10/34 EAST MAIN ST
Client ID: 403 JAC-DC-3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	04/04/13		E160.3
Caulk Extraction for PCB	Completed			04/04/13	BP/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1221	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1232	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1242	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1248	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1254	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1260	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1262	ND	770	ug/Kg	04/05/13	AW	3540C/8082
PCB-1268	ND	770	ug/Kg	04/05/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	04/05/13	AW	30 - 150 %
% TCMX	72		%	04/05/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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April 09, 2013
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Analysis Report

April 09, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	SW	04/04/13	14:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD55250
Phoenix ID: BD55253

Project ID: 13-062.10/34 EAST MAIN ST
Client ID: 403 JAC-DC-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	04/04/13		E160.3
Caulk Extraction for PCB	Completed			04/04/13	BP/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1221	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1232	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1242	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1248	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1254	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1260	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1262	ND	740	ug/Kg	04/05/13	AW	3540C/8082
PCB-1268	ND	740	ug/Kg	04/05/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	04/05/13	AW	30 - 150 %
% TCMX	88		%	04/05/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

%SOLIDS ASSUMED 100%

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April 09, 2013
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Analysis Report

April 09, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	SW	04/04/13	14:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD55250
Phoenix ID: BD55254

Project ID: 13-062.10/34 EAST MAIN ST
Client ID: 403 JAC-WG-5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	04/04/13		E160.3
Caulk Extraction for PCB	Completed			04/04/13	BP/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1221	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1232	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1242	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1248	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1254	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1260	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1262	ND	800	ug/Kg	04/05/13	AW	3540C/8082
PCB-1268	ND	800	ug/Kg	04/05/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	112		%	04/05/13	AW	30 - 150 %
% TCMX	93		%	04/05/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

%SOLIDS ASSUMED 100%

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Phyllis Shiller, Laboratory Director
April 09, 2013
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

Analysis Report

April 09, 2013

FOR: Attn: Mr. Peter Folino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/03/13	0:00
Location Code:	EAGLEENV	Received by:	SW	04/04/13	14:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD55250
Phoenix ID: BD55255

Project ID: 13-062.10/34 EAST MAIN ST
Client ID: 403 JAC-WG-6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	04/04/13		E160.3
Caulk Extraction for PCB	Completed			04/04/13	BP/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1221	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1232	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1242	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1248	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1254	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1260	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1262	ND	730	ug/Kg	04/05/13	AW	3540C/8082
PCB-1268	ND	730	ug/Kg	04/05/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	107		%	04/05/13	AW	30 - 150 %
% TCMX	83		%	04/05/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

%SOLIDS ASSUMED 100%

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April 09, 2013
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

April 09, 2013

QA/QC Data

SDG I.D.: GBD55250

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 225273, QC Sample No: BD55253 (BD55253, BD55254, BD55255)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	70	77	9.5				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	80	87	8.4				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	82	74	78	5.3				30 - 150	30
% TCMX (Surrogate Rec)	80	72	79	9.3				30 - 150	30
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 225272, QC Sample No: BD55261 (BD55250, BD55251, BD55252)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	86	81	6.0	84	87	3.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	75	10.1	86	88	2.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	99	84	83	1.2	80	82	2.5	30 - 150	30
% TCMX (Surrogate Rec)	70	75	73	2.7	77	82	6.3	30 - 150	30

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
April 09, 2013

Tuesday, April 09, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBD55250 - 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 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.

CHAIN OF CUSTODY RECORD

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

Temp 6 Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: Bleblanc@eagle-environ.com

SEWAGE PUMP BLDG

Customer: EAGLE ENVIRONMENTAL
Address: 531 NORTH MAIN ST
BRISTOL CT 06010

Project: 13-062.10 / 34 BASE MAIN ST MIDDLETOWN
Report to: A. R
Invoice to: B. C

Project P.O:
Phone #:
Fax #:

Sampler's Signature: Colette Date: 4/3/13

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request: PCB CAULK SOXHLET

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	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 [ ] 250ml [ ] 1500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
55250	40J-JAC-WC-1	S	4/3/13	PM	1										C SIDE WINDOW CAULK COMPOUND
55251	WC-2				1										
55252	DC-3				1										B SIDE AREA DOOR CAULK COMP
55253	DC 4				1										
55254	WC-5				1										A SIDE WINDOW GLAZING COMP.
55255	WC-6				1										

Relinquished by:	Accepted by:	Date:	Time:
Colette	[signature]	4/3/13	PM
		4.4.13	14:25

Comments, Special Requirements or Regulations:

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

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

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

State where samples were collected: CT

APPENDIX 6

ABATEMENT AND CONSULTING COST ESTIMATES

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES
CDR MAGUIRE, INC
34 EAST MAIN STREET
MIDDLETOWN, CONNECTICUT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST			TOTAL COST	
BOILER INSULATION*	100	$	30.00	SF	$	3,000.00
WOOD PANEL GLUE	630	$	5.00	SF	$	3,150.00
EXTERIOR WINDOW CAULK	8	$	100.00	WINDOW	$	800.00
INTERIOR WINDOW GLAZING COMPOUND	8	$	75.00	SASH	$	600.00
EXTERIOR WINDOW GLAZING COMPOUND	14	$	75.00	SASH	$	1,050.00
ROOFING	20	$	15.00	LF	$	300.00
SILVER PAINT	2,700	$	3.00	SF	$	8,100.00
FLASHING CEMENT	1	$	50.00	VENT	$	50.00
SUBTOTAL					$	17,050.00
ASBESTOS ABATEMENT CONTINGENCY					$	1,705.00
ASBESTOS TOTAL					**$**	**18,755.00**

ITALICS-MATERIALS ASSUMED TO BE ASBESTOS CONTAINING

*INCLUDES DISMANTLING THE BOILER AND DISPOSING OF INTERIOR SUSPECT MATERIALS AS ASBESTOS CONTAINING

LEAD BASED PAINT COST ESTIMATE

NO LEAD PAINT ABATEMENT OR DISPOSAL IS INVOLVED IN THIS PROJECT. THE CONTRACTOR NEEDS TO PROTECT HIS/HER WORKER FROM EXPOSURE TO LEAD PAINT DURING DEMOLITION.

UNIVERSAL WASTE ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST			TOTAL COST	
BALLASTS DISPOSAL	63	$	2.00	EACH	$	126.00
LIGHT TUBES DISPOSAL	345	$	1.00	LF	$	345.00
LABOR	1	$	500.00	DAY	$	500.00
SUBTOTAL					$	971.00
UNIVERSAL WASTE ABATEMENT CONTINGENCY					$	97.10
UNIVERSAL WASTE TOTAL					**$**	**1,068.10**

CHLOROFLUOROCARBONS ABATEMENT COST ESTIMATE

NO CHLOROFLUOROCARBONS IDENTIFIED DURING THIS INSPECTION

PCB CONTAINING CAULKS, GLAZING COMPOUNDS AND TRANSFORMER OILS

NO PCB REMEDIATION IS INVOLVED IN THIS PROJECT

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL **$ 19,823.10**

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST		TOTAL COST	
ASBESTOS ABATEMENT SPECIFICATIONS	1	$1,000.00	EACH	$	1,000.00
LEAD AWARENESS SPECIFICATIONS	1	$350.00	EACH	$	350.00
UNIVERSAL WASTE DISPOSAL SPECIFICATION	1	$250.00	EACH	$	250.00
ABATEMENT CONTRACT DRAWINGS	1	$250.00	EACH	$	250.00
ALTERNATE WORK PRACTICE DEVELOPMENT	1	$550.00	EACH	$	550.00
PRE-CONSTRUCTION CONFERENCE	1	$400.00	EACH	$	400.00
DAILY MONITORING/CLEARANCES	4	$550.00	DAY	$	2,200.00
PCM AIR SAMPLES	20	$10.00	EACH	$	200.00
PROJECT MANAGEMENT	2	$130.00	HOUR	$	260.00
DOCUMENTATION REPORT	1	$350.00	EACH	$	350.00
SUBTOTAL				$	5,810.00
CONSULTING CONTINGENCY				$	581.00
CONSULTING TOTAL				**$**	**6,391.00**

GRAND TOTAL **$ 46,037.20**

APPENDIX 7

EAGLE ENVIRONMENTAL INC. LICENSES

Certificate of Training

Awarded to

JOHN COLETTI

531 NORTH MAIN STREET, BRISTOL, CT 06010

Has successfully completed a 7 hr, 1 day

Lead Inspector Risk Assessor Refresher

February 26, 2013

This training course was approved and given in accordance with the Department of Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes

Presented by

Mystic Air Quality Consultants, Inc.

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

Certificate Number: 95CTLDRARF 21929 **Exam Grade:** 96 **Expiration Date:** 02/26/2014

Exam Date: 02/26/2013

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

State of Connecticut

Lookup Detail View

Name

Name
JOHN A COLETTI

License Information
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Lead Inspector Risk Assessor	2114	06/30/2013	06/21/2001	John A. Coletti	ACTIVE	None

Generated on: 3/11/2013 10:57:27 AM

State of Connecticut

Lookup Detail View

Name

Name
JOHN A COLETTI

License Information
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	399	06/30/2013	11/30/1999	John Coletti	ACTIVE	None

Generated on: 3/11/2013 10:56:37 AM

CERTIFICATE OF ACHIEVEMENT

This certifies that

Ashis Roychodhury

has successfully completed the
Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory J. Morsch
Principal Instructor
July 19, 2012
Date of Course

July 19, 2013
Expiration Date

Gregory J. Morsch
Regional Manager
STAR – 4264
Certificate Number

July 19, 2012
Issuance Date

CERTIFICATE OF ACHIEVEMENT

This certifies that

Ashis Roychodhury

has successfully completed the
Asbestos Management Planner Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory J. Morsch
Principal Instructor
July 19, 2012
Date of Course

July 19, 2013
Expiration Date

Gregory J. Morsch
Regional Manager
MPAR-3723
Certificate Number

July 19, 2012
Issuance Date

State of Connecticut

Lookup Detail View

Name

Name
ASHIS ROYCHOWDHURY

License Information
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Insp/Mgmt Planner	108	03/31/2014	04/12/1996	ASHIS ROYCHOWDHURY	ACTIVE	None

APPENDIX 8

LABORATORY CERTIFICATES

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.

PHOENIX ENVIRONMENTAL LABORATORIES, INC.

LOCATED AT 587 East Middle Turnpike IN Manchester, Connecticut 06040

AND REGISTERED IN THE NAME OF Allan E. Caffyn

THIS CERTIFICATE IS ISSUED IN THE NAME OF Phyllis Shiller (Chemistry) Kathleen Cressia (Microbiology) 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, NON-POTABLE/WASTEWATER, SOLID WASTE/SOIL

Examination For:

MICROBIOLOGICALS

INORGANIC CHEMICALS

ORGANIC CHEMICALS

ENVIRONMENTL HEALTH & HOUSING

Examination For:

LEAD in PAINT, LEAD in DUST WIPES, LEAD PAINT in SOIL

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

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

DATED AT HARTFORD, CONNECTICUT, THIS 29th DAY OF June, 2012

Registration No. PH – 0618

SUZANNE BLANCAFLOR, MS

CHIEF, ENVIRONMENTAL HEALTH SECTION

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

EMSL ANALYTICAL, INC. – MANHATTAN, NY

LOCATED AT 307 West 38th Street IN New York, NY 10018

AND REGISTERED IN THE NAME OF Peter Frasca, Ph.D.

THIS CERTIFICATE IS ISSUED IN THE NAME OF James Hall WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS

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

Environmental Health & Housing

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

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

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

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

Registration No.

PH-0170

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION