

Hazardous Building Materials Inspection

**Stamford Hall
Fairfield Hills Campus
Newtown, Connecticut**

Town of Newtown

Newtown, Connecticut

August 2015
Revised December 28, 2016



Fuss & O'Neill EnviroScience, LLC
56 Quarry Road
Trumbull, CT 06611



FUSS & O'NEILL
EnviroScience, LLC

August 7, 2015
Revised December 28, 2016

Ms. Christal Preszler
Town of Newtown
3 Primrose Street
Newtown, CT 06470

**Re: Hazardous Building Materials Inspection Report
Stamford Hall
Fairfield Hills Campus, Homestead Lane, Newtown, Connecticut**
Fuss & O'Neill EnviroScience Project No. 20141268.A5E

Dear Ms. Preszler:

Enclosed is the summary report for the hazardous building materials inspection conducted for Stamford Hall located on Homestead Lane on the Fairfield Hills Campus in Newtown, Connecticut (the "Site"). The work was conducted for the Town of Newtown (the "Client").

The services were performed from May 20, 2015 to May 23, 2015 and October 26, 2016 by Fuss & O'Neill EnviroScience, LLC state inspectors and included an asbestos inspection, lead-based paint determination, lead waste disposal characterization, and an inventory of polychlorinated biphenyl (PCB)-containing light ballasts, mercury-containing devices, and other building wastes. The information summarized in this report is for the abovementioned materials and locations only.

If you should have any questions regarding the contents of this report, please contact me at (203)-374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Helen Rimsa
Senior Scientist

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Table of Contents

Hazardous Building Materials Inspection Report Stamford Hall Homestead Lane, Fairfield Hills Campus, Newtown, CT Town of Newtown

1	Introduction	1
2	Asbestos Inspection.....	1
2.1	Methodology	1
2.2	Results	3
2.3	Discussion	4
2.4	Conclusions and Recommendations.....	4
3	Lead-Based Paint Determination.....	5
3.1	Methodology	5
3.2	Results	6
3.3	Discussion	7
3.4	Conclusions and Recommendations.....	7
4	Lead Waste Characterization	8
4.1	Sample Collection Methodology	8
4.2	Results	8
4.3	Conclusion and Recommendations	9
5	PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory.....	9
5.1	PCB-Containing Fluorescent Ballasts.....	9
5.2	PCB-Containing Fluorescent Ballasts Methodology	9
5.3	Mercury-Containing Devices	10
5.4	Mercury-Containing Devices Methodology	10
5.5	Other Building Wastes	10
5.6	Other Building Wastes Methodology.....	10
5.7	Conclusions and Recommendations.....	10

Tables

End of Text

- 1A. Summary of Suspect Asbestos-Containing Materials Data
- 1B. Summary of Suspect Asbestos-Containing Plaster Materials Data
- 2. Summary of Asbestos-Containing Materials
- 3. Summary of PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes

Appendices

End of Text

APPENDIX A	LIMITATIONS
APPENDIX B	ENVIROSCIENCE INSPECTOR STATE LICENSES AND EPA ACCREDITATIONS
APPENDIX C	ASBESTOS LABORATORY ANALYTICAL REPORTS AND CHAIN-OF- CUSTODY FORMS
APPENDIX D	ASBESTOS-CONTAINING MATERIALS LOCATION DIAGRAMS
APPENDIX E	LEAD PAINT DETERMINATION FIELD DATA SHEETS
APPENDIX F	LEAD TCLP LABORATORY ANALYTICAL REPORT, CHAIN-OF- CUSTODY FORM, AND TCLP REPRESENTATIVE DEMOLITION WASTE STREAM SAMPLE ALIQUOT COMPUTATION FORM
APPENDIX G	SITE PHOTOGRAPHS
APPENDIX H	OPINION OF ABATEMENT AND DEMOLITION COST

1 Introduction

From May 20, 2015 through May 23, 2015, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representatives Mr. Robert Hobbins and Ms. Sandra Guzman performed a hazardous building materials inspection for the Stamford Hall on Fairfield Hills Campus located at Homestead Lane in Newtown, Connecticut (the "Site"). On October 26, 2016, EnviroScience returned to the Site to perform additional sampling for the characterization of the anticipated waste streams at the Site. The inspection included the following services:

- Asbestos-Containing Materials (ACM) Inspection;
- Lead-Based Paint (LBP) Determination;
- Waste Characterization Sample Collection and Analysis using Toxicity Characteristic Leaching Procedure (TCLP) Analysis for Lead; and
- Polychlorinated Biphenyl (PCB)-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory.

The work was conducted for the Town of Newtown (the "Client") in accordance with our scope of services and is subject to the limitations included in *Appendix A*.

This hazardous building materials inspection was performed in response to proposed demolition of the building at the Site and included the building interiors, exteriors, and roofs.

2 Asbestos Inspection

A property owner must ensure that a thorough ACM inspection is performed prior to possible disturbance of suspect ACM during renovation and/or demolition activities. This is a requirement of the United States Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

From May 20, 2015 through May 23, 2015, Mr. Hobbins and Ms. Guzman of EnviroScience conducted the inspection. Mr. Hobbins and Ms. Guzman are State of Connecticut Department of Public Health (CTDPH)-licensed Asbestos Inspectors. Refer to *Appendix B* for the EnviroScience Inspectors' state licenses and accreditations.

2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect materials. The suspect materials were categorized into three EPA NESHAP groups: friable and non-friable Category I and Category II type ACM.

- A Friable Material is defined as material that contains greater than 1 percent asbestos, that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM is any asbestos-containing packing, gasket, resilient floor covering or asphalt roofing product which contains more than one percent (1%) asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.

- A Category II Non-Friable Material refers to any non-friable material excluding Category I materials that contain greater than 1 percent asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were also categorized into their applications including, Thermal System Insulation (TSI), Surfacing ACM (S), and Miscellaneous ACM (M). TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded pipe fitting insulations. Surfacing ACM includes those ACM that are applied by spray, trowel, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include those ACM not listed as thermal or surfacing, such as linoleum, vinyl asbestos flooring, ceiling tiles, caulking, glues, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content and to segregate each suspect type of homogenous (similar in color, texture, and date of application) materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material (HM), but the NESHAP regulation does recommend the use of sampling protocols included in Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the type of material and quantity present. This regulation includes the following protocol:

1. Surfacing Materials (S) (i.e., plasters, spray-applied fireproofings, etc.) must be collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
 - a. Three (3) samples collected from each homogenous area that is less than or equal to 1,000 square feet.
 - b. Five (5) samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
 - c. Seven (7) samples collected from each homogenous area that is greater than 5,000 square feet.
2. Thermal System Insulation (TSI) (i.e., pipe insulations, tank insulations, etc.) must be collected in a randomly distributed manner representing each homogenous area. Three (3) samples must be collected from each material. Also, a minimum of one (1) sample of any patching materials applied to TSI presuming the patched area is less than 6 linear or square feet should be collected.
3. Miscellaneous materials (M) (i.e., floor tile, gaskets, construction mastics, etc.) should have a minimum of two (2) samples collected for each type of homogenous material. Sample collection was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the inspector.

The inspectors collected samples of those suspect ACM anticipated to be disturbed by proposed demolition activities, and prepared proper chain-of-custody forms for transmission of the samples collected to EMSL Analytical Inc., of Portland, Maine, and TRC of Windsor, Connecticut, for analysis. EMSL and TRC are Connecticut-licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos laboratories. The sample locations, material types, sample identification, and asbestos content are identified by bulk sample analysis in **Tables 1A (non-plaster) and 1B (plaster)** attached hereto. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

At the direction of the Client, the building was divided into sections for plaster (surfacing material) samples. The samples were collected every 1,000 square feet within each building section. Representative samples from both ceiling and walls were collected. Initial plaster sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy using gravimetric reduction, acid wash, and 600 point count.

Destructive investigations for inaccessible and hidden materials were performed at the Site. The destructive investigations included the following areas:

- Wall Cavities;
- Pipe Chases;
- Spaces Above Fixed Ceilings;
- Behind Foundation Walls;
- Under Concrete Slabs;
- Spaces Behind Brick Façade; and
- Behind Mirrors.

EnviroScience did not conduct subsurface investigations to identify potential cementitious pipe at the Site. Additionally, the pipe tunnels and pedestrian tunnels located in the basement were not included in this inspection at the Client's direction.

2.2 Results

Utilizing the EPA protocol and criteria, the following materials were determined to be ACM:

- Pipe and Mudded Pipe Fitting Insulations;
- Gray Radiator Insulation Paper;
- White Putty Caulking Compounds on Electrical Wire inside Metal Drinking Water Fountains;
- Brown Glue Daubs on Rectangular 6" x 4" Ceiling Tiles;
- Black Glue on Ceramic Wall Tile;
- Gray Cementitious Wall Hatch Panel;
- Dark Brown Glue Daubs on Bulletin Boards;
- Floor Tile (Multiple Sizes and Colors) and Associated Black Floor Mastic;
- White and Brown Exterior Window Caulking;
- Cementitious Roof Shingles and Flashing/Tar;

- Black Flat Porch Roofing Field) and Perimeter Roof Flashing/Tar;
- Black Damp-proofing Tar/Paper under Concrete (Limestone) Window Sill; and
- Porch Ceiling Plaster and White Textured Ceiling Paint.

Refer to the attached **Table 1A (non-plaster)** and **Table 1B (plaster)** for a complete list of ACM and non-ACM identified as part of this inspection and attached **Table 2** for a list of ACM by homogenous locations. Refer to *Appendix C* for the asbestos laboratory analytical reports and chain-of-custody forms. See *Appendix D* for a site diagrams depicting ACM located within the building.

2.3 Discussion

The EPA, the Occupational Safety and Health Administration (OSHA), and the CTDPH define a material that contains greater than one percent (> 1%) asbestos, utilizing PLM/DS, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos.

Additionally, the EPA has suggested that materials that are non-friable organically bound (NOB) materials (e.g., asphaltic-based materials, adhesives, etc.) are recommended for further confirmatory analysis utilizing Transmission Electron Microscopy (TEM). 14 of the collected samples were analyzed by TEM. The results of TEM analysis are denoted in **Table 1A**.

2.4 Conclusions and Recommendations

ACM was identified at the Site during this inspection. ACM that will be impacted by proposed building demolition must be removed (abated) by a CTDPH-licensed Asbestos Abatement Contractor prior to disturbance during building demolition activities. This includes all friable and-non-friable ACM and is a requirement of the CTDPH and EPA NESHAP standards for asbestos abatement.

Wall and Ceiling Plaster – The wall and ceiling base coat plaster was determined to range from none detected to 1.45% asbestos. In accordance the EPA Applicability Determination Index Control Number A070006 document titled *Rounding Reported Values* and dated January 31, 2007, the analytical results of the wall and ceiling base coat plaster may be rounded down to 1% and thus, not considered ACM. Note that OSHA regulations for worker protection during renovation and/or demolition still apply.

Floor Tile – Multiple types and colors of floor tiles were observed throughout the building at the time of the inspection. Samples of the suspect floor tiles were not collected to identify asbestos content; the floor tiles are considered asbestos-contaminated by the inseparable asbestos-containing black floor mastic attached beneath the tiles. Therefore, all floor tiles must be removed and disposed as ACM prior to building renovation.

Materials containing < 1% asbestos are not regulated by CTDPH or EPA; however OSHA regulations still apply during renovation and/or demolition activities that will disturb the materials. During renovation and/or demolition activities involving materials containing < 1% asbestos, the materials should be removed under controlled conditions (use of water to inhibit dust). Additionally, the

contractor should perform personal air sampling to document worker exposure to airborne fibers. If personal air sampling documents airborne fiber concentrations above the OSHA Permissible Exposure Limit (PEL), additional OSHA regulatory requirements (worker training, worker protection, construction of a regulated area, use of worker decontamination unit, etc.) are required.

EnviroScience recommends that a comprehensive scope of work and technical specification for asbestos abatement be developed as part of Site renovation and/or demolition plans. Due to damaged ACM located throughout the Site, an Alternative Work Practice (AWP) should be developed by a CTDPH-licensed Asbestos Project Designer and submitted to the CTDPH for approval. The AWP should be developed for the installation of critical barriers, establishment of negative pressure, and construction of a decontamination unit. Once critical barriers, negative pressure, and a decontamination unit are constructed, the abatement contractor would clean all surfaces, abate all ACM, and encapsulate the work area with lockdown encapsulant.

Suspect materials encountered during demolition activities that are not identified in this report as being non-ACM should be presumed to be ACM until sample collection and laboratory analysis indicate otherwise.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the building owner, architect, construction manager, general contractors, and contractors in locating ACM. Quantities and locations of identified ACMs should be confirmed and observed by the abatement contractors during the bidding process.

3 Lead-Based Paint Determination

On May 23, 2015, Mr. Hobbins performed a LBP determination by testing coated building components at the Site scheduled for demolition. Mr. Hobbins is a CTDPH-Certified lead inspector/risk assessor. Refer to *Appendix B* for the EnviroScience Inspector state licenses and EPA accreditations.

An X-ray fluorescence (XRF) analyzer was used to perform the LBP determination. The testing was conducted in accordance with generally accepted industry practices and procedures. The determination was conducted in accordance with generally-accepted industry standards for non-residential (i.e., not child-occupied) buildings.

A Radiation Monitoring Device Model LPA-B, serial number 1377, was utilized for the LBP determination. The instrument was checked for proper calibration prior to use as detailed by the manufacturer and the Performance Characteristic Sheet (PCS) developed for the instruments.

3.1 Methodology

For the purpose of this LBP determination, representative coated building components were tested as part of the inspection. Individual repainting efforts are not discoverable in such a limited program. LBP issues involving properties that are residential and do not have children under the age of six are regulated to a limited degree for worker protection relating to paint-disturbing work activities and waste disposal.

Worker protection is regulated by OSHA regulations. These regulations involve air monitoring of workers to determine exposure levels when disturbing lead-containing paint. An LBP determination cannot determine a safe level of lead, but is intended to provide guidance for implementing industry standards for lead in paint at identified locations. Contractors may then better determine exposure of workers to airborne lead by understanding the different concentrations of LBP activities that disturb paint on representative surfaces.

The EPA Resource Conservation and Recovery Act (RCRA), as well as the State of Connecticut Department of Energy and Environmental Protection (CTDEEP), regulate disposal of lead-containing waste. If lead is determined to be present in non-residential buildings, lead-containing materials that will be impacted during renovation and/or demolition activities and result in waste for disposal must either be analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) analytical method, or be presumed as a hazardous waste. A TCLP sample is a representative sample of the intended waste stream. The results are compared to a threshold value of 5.0 milligrams per liter (mg/L); a result exceeding this value is considered hazardous lead waste. If the result is below the established level, the material is not considered hazardous and may be disposed as general construction debris.

A level of LBP exceeding 1.0 milligram of lead per square centimeter (mg/cm²) is considered toxic or dangerous for compliance with residential standards. For purpose of this LBP determination the level of 1.0 mg/cm² has been utilized as a threshold for areas where possible worker exposures may occur.

3.2 Results

The LBP determination indicated consistent painting trends associated with representative coated building components that will be impacted by the proposed demolition work. The following coated building components tested were determined to contain lead exceeding 1.0 mg/cm²:

Interior

- Brown Metal Support Columns;
- Brown Metal Doors, Casings and Jambs;
- Silver Metal Cage,
- Brown Metal Fire Door;
- White Metal Electrical Panel Box;
- Brown Metal Stairwell Stringers and Risers;
- Beige Metal Sink;
- Blue Metal Fire Box;
- Red Fire Metal Alarm Box;
- Brown Metal Radiator;
- Beige and White Wood Doors, Casings, and Jambs;
- Tan Wood Cabinet Door and Shelf;
- White, Gray, and Brown Wood Window Sash, Frames, and Trim;
- White Wood Column;
- White Wood Closet Shelf;
- White Wood Soffit;
- Blue and Green Wood Ceiling Moldings;

- White Wood Paneling;
- Gray and White Wood Coat Racks;
- White Wood Chair Rail;
- Porch Roof Wall;
- White Wood Radiator Housing Top and Panel;
- White Wood Fire Place Mantle;
- Brown Concrete Baseboard; and
- Gray and Pink Ceramic Bathroom Wall Tile.

Exterior

- White Wood Column;
- Black Metal Baluster;
- White Wood Doors, Casings, Jambs and Soffit Moldings;
- White Wood Window Sash, Casings, and Sills;
- White Wood Porch Ceiling Molding;

Refer to *Appendix E* for the lead paint determination field data sheets.

3.3 Discussion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May 1993. The OSHA Lead Standard has no set limit for the content of lead in paint below which the standards do not apply. The OSHA Lead Standards are task-based, and derived from airborne exposure and blood lead levels.

The results of this LBP determination are intended to provide guidance to contractors for occupational exposure-control to lead. Building components containing lead levels above industry standards that are disturbed may cause exposures to lead above OSHA standards during demolition activities.

3.4 Conclusions and Recommendations

Coated building components tested were identified during this inspection as containing lead exceeding 1.0 mg/cm². Due to the presence of LBP at the Site, samples of the representative waste stream from each building were collected and TCLP analysis was performed to determine proper off-site waste disposal (See Section 4 of this report for additional information). LBP-coated building materials should not be subject to grinding, sawing, drilling, sanding, or torch cutting.

Contractors must be made aware that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 does not apply. Contractors shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers during any demolition work that will impact lead paint.

EnviroScience recommends that a comprehensive scope of work and technical specification for lead-based paint awareness during demolition be developed as part of Site demolition plans.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the building owner, architect, construction manager, general contractors, and asbestos abatement contractors in locating LBP. Quantities and locations of identified LBP should be confirmed and observed by the abatement contractors during the bidding process.

4 Lead Waste Characterization

A waste is a solid or liquid material that serves no further purpose. A waste is defined by EPA to be hazardous if it contains certain properties that could pose dangers to human health and the environment after it is discarded. Wastes that are ignitable, corrosive, reactive, or toxic are regulated under the Hazardous Waste Regulations. TCLP is a method that extracts the compounds of interest in a standard way simulating landfill conditions (EPA Title 40 CFR, Part 261).

4.1 Sample Collection Methodology

Mr. Hobbins and Ms. Guzman collected representative aliquots of various LBP-coated building components throughout the building for TCLP analysis. Samples were collected of representative of anticipated waste at the Client's direction as follows:

- Entire Building Components without Foundation;
- Entire Building Components including Foundation; and
- Asbestos-Containing Building Components.

Material substrates such as concrete and wood were segregated in accordance with LBP determination data. Representative aliquots were collected of the individual substrates/surfaces and composited based on their respective quantities into a single sample. The composite sample was analyzed by TCLP for lead as a representation of the abovementioned anticipated waste streams.

Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut analyzed the composite sample. Phoenix is a State of Connecticut-certified laboratory. The sample was analyzed using EPA Method SW-846 (Extraction Method 1311).

4.2 Results

In total, three waste characterization samples were collected and analyzed by TCLP. The EPA RCRA statutes define a waste stream containing lead which is commonly identified in paint to be a hazardous waste stream if greater than 5.0 milligrams per liter (mg/L) of lead is leached from the material by the TCLP test. Listed below are the anticipated waste streams:

- Entire Building Components without Foundation 0.46 mg/L;
- Entire Building Components including Foundation 0.44 mg/L; and
- Asbestos-Containing Building Components <0.10 mg/L.

The analytical results of the representative samples indicate leachable lead at < 5.0 mg/L for all three samples; therefore, based on these three analytical results, the entire building components without foundation, the entire building components including foundation, and the asbestos-containing building components are not classified as hazardous waste.

Refer to *Appendix F* for the lead TCLP laboratory analytical report and chain-of-custody form, and TCLP representative demolition waste stream sample aliquot computation form.

4.3 Conclusion and Recommendations

Based on the TCLP laboratory analytical results of the three representative waste stream composite samples are not classified as hazardous waste.

5 PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory

5.1 PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may also contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs, unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent light ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under EPA RCRA and the Superfund law as a hazardous waste. Therefore, EPA Superfund liability exists for landfilling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under EPA RCRA, and require special handling and disposal considerations.

5.2 PCB-Containing Fluorescent Ballasts Methodology

On May 23, 2015, EnviroScience representatives Mr. Hobbins and Ms. Guzman performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing light ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB or DEHP-containing ballasts, and were not quantified for disposal.

The light ballasts without a label indicating "No PCBs" are presumed to be PCB-containing waste and must be segregated for proper removal, packaging, transport, and disposal as PCB-containing waste.

Those light ballasts labeled as “No PCBs” indicating manufacture dates prior to 1991 are presumed to contain DEHP. DEHP-containing light ballasts must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less than PCB-containing light ballasts.

5.3 Mercury-Containing Devices

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. According to the EPA, mercury lamps are characterized as a Universal Waste. Therefore, fluorescent lamps must be either recycled, or disposed as hazardous waste.

5.4 Mercury-Containing Devices Methodology

On May 23, 2015, EnviroScience representatives Mr. Hobbins and Ms. Guzman performed an inventory of mercury-containing lamps, thermostats, and mercury switches. These fixtures were inventoried in-place.

5.5 Other Building Wastes

Other building wastes identified in buildings may contain lead, cadmium, copper, chlorofluorocarbons, and other substances hazardous to human and environmental health. In general, building wastes may not be discarded in solid waste landfills. Examples of these wastes include but are not limited to lead-acid batteries, fire extinguishers, emergency and exit light fixtures, electrical fuses and resistors, and other electronic devices, switches and gauges.

5.6 Other Building Wastes Methodology

On May 23, 2015, Mr. Hobbins and Ms. Guzman performed a visual inspection of other building wastes within the building.

5.7 Conclusions and Recommendations

PCB-containing light ballasts, mercury-containing devices, and other building wastes were identified during this inspection. The materials must be segregated and properly disposed prior to demolition activities.

Refer to the attached **Table 3** for a complete list of PCB-containing light ballasts, mercury-containing devices, and other building wastes inventoried as part of this inspection

EnviroScience recommends that a comprehensive scope of work and technical specification for removal and disposal of PCB-containing light ballasts, mercury-containing devices, and other building wastes be developed as part of the Site demolition plans.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the building owner, architect, construction manager, general contractors, and contractors in locating universal waste. Quantities and locations of identified universal waste should be confirmed and observed by the abatement contractors during the bidding process.

Refer to *Appendix G* for Site Photographs and *Appendix H* for the Opinion of Abatement and Demolition Cost.

Report prepared by Senior Environmental Technician, Robert Hobbins.

Reviewed by:



Helen Rimsa
Senior Scientist



Kathleen C. Pane
Senior Project Manager

Tables

Table 1A
Summary of Suspect Asbestos-Containing Materials Data

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-01A	Gray Layered Pipe Insulation	Friable	Storage 2	10% Chrysotile	
0523BH-01B	Gray Layered Pipe Insulation	Friable	Storage 2	NA/PS	
0523BH0-01C	Gray Layered Pipe Insulation	Friable	Room 233	NA/PS	
0523BH-02A	Black inside Paper Backing on Layered Pipe Insulation	Friable	Room 233	10% Chrysotile	
0523BH-02B	Black inside Paper Backing on Layered Pipe Insulation	Friable	Room 236	NA/PS	
0523BH-02C	Black inside Paper Backing on Layered Pipe Insulation	Friable	Storage 2	NA/PS	
0523BH-03A	Gray Mudded Pipe Fitting Insulation	Friable	Storage 1A	40% Chrysotile	
0523BH-03B	Gray Mudded Pipe Fitting Insulation	Friable	Room 116B	NA/PS	
0523BH-03C	Gray Mudded Pipe Fitting Insulation	Friable	Room 233	NA/PS	
0523BH-04A	Gray Corrugated Paper Insulation Behind Radiator Metal	Friable	Lounge Room	40% Chrysotile	
0523BH-04B	Gray Corrugated Paper Insulation Behind Radiator Metal	Friable	Lounge Room	NA/PS	
0523BH-04C	Gray Corrugated Paper Insulation Behind Radiator Metal	Friable	Lounge Room	NA/PS	
0523BH-05A	White Solid Core Pipe Insulation	Friable	Basement Storage 4	15% Amosite 20% Chrysotile	
0523BH-05B	White Solid Core Pipe Insulation	Friable	Basement Storage 4	NA/PS	
0523BH-05C	White Solid Core Pipe Insulation	Friable	Room 131	NA/PS	
0523BH-06A	Tan Pipe Fabric Wrap	Non-ACM	Room 236	ND	
0523BH-06B	Tan Pipe Fabric Wrap	Non-ACM	Room 236	ND	
0523BH-06C	Tan Pipe Fabric Wrap	Non-ACM	Room 236	ND	
0523BH-07A	Fire Door Insulation	Non-ACM	Door to Basement at Room 108	ND	
0523BH-07B	Fire Door Insulation	Non-ACM	Door to Basement at Room 108	ND	
0523BH-07C	Fire Door Insulation	Non-ACM	Door to Basement at Room 108	ND	
0523BH-08A	Black Pipe Gasket	Non-ACM	Basement	ND	
0523BH-08B	Black Pipe Gasket	Non-ACM	Basement	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-09A	Tan Wire Cover	Non-ACM	Basement Storage 2	ND	
0523BH-09B	Tan Wire Cover	Non-ACM	Basement Storage 2	ND	
0523BH-10A	Black Wire Coating	Non-ACM	Basement Storage 2	ND	
0523BH-10B	Black Wire Coating	Non-ACM	Basement Storage 2	ND	
0523BH-11A	Dark Brown Felt Paper	Non-ACM	Basement Storage 3 on Concrete Deck	ND	
0523BH-11B	Dark Brown Felt Paper	Non-ACM	Basement Storage 3 on Concrete Deck	ND	
0523BH-12A	White Putty Caulking	Cat 2 NF	Corridor at Room 215 on Electrical Wires (Metal Drinking Fountain)	2% Chrysotile	
0523BH12B	White Putty Caulking	Cat 2 NF	Corridor at Room 215 on Electrical Wires Room 115 on Electrical Wires	NA/PS	
0523BH-13A	Beige Wire Coating	Non-ACM	Lounge Room	ND	
0523BH-13B	Beige Wire Coating	Non-ACM	Lounge Room	ND	
0523BH-14A	Black Wiring Coating	Non-ACM	Attic Mechanical Room	ND	
0523BH-14B	Black Wiring Coating	Non-ACM	Attic Mechanical Room	ND	
0523BH-15A	Brown 6" x 4" Ceiling Tile	Non-ACM	North Wing Corridor	ND	
0523BH-15B	Brown 6" x 4" Ceiling Tile	Non-ACM	Corridor at Room 204	ND	
0523BH-16A	Brown Ceiling Tiles Glue	Cat 2 NF	Corridor at Room 204	5% Chrysotile	
0523BH-16B	Brown Ceiling Tiles Glue	Cat 2 NF	Corridor at Room 132	NA/PS	
0523BH-17A	Black Electrical Switch Panel	Non-ACM	Basement Storage 2	ND	
0523BH-17B	Black Electrical Switch Panel	Non-ACM	Basement Storage 2	ND	
0523BH-18A	Gray Mount Panel	Non-ACM	Basement Storage 2 Electrical Room 2	ND	
0523BH-18B	Gray Mount Panel	Non-ACM	Basement Storage 2 Electrical Room 2	ND	
0523BH-19A	Beige Electrical Switch	Non-ACM	Basement Storage 2 Electrical Room 2	ND	
0523BH-19B	Beige Electrical Switch	Non-ACM	Basement Storage 2 Electrical Room 2	ND	
0523BH-20A	Dark Pink Ceramic Wall Tile	Non-ACM	Women's Bathroom at Room 228	ND	
0523BH-20B	Yellow Ceramic Wall Tile	Non-ACM	Bathroom in Room 116B	ND	
0523BH-20C	Gray Ceramic Wall Tile	Non-ACM	Basement Kitchen	ND	
0523BH-20D	Pink Ceramic Wall Tile	Non-ACM	Women's Bathroom at Room 121	ND	
0523BH-21A	Ceramic Wall Tile Grout	Non-ACM	Women's Bathroom at Room 228	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-21B	Ceramic Wall Tile Grout	Non-ACM	Bathroom in Room 116B	ND	
0523BH-21C	Ceramic Wall Tile Grout	Non-ACM	Basement Kitchen	ND	
0523BH-21D	Ceramic Wall Tile Grout	Non-ACM	Women's Bathroom at Room 121	ND	
0523BH-22A	Ceramic Wall Tile Underlayment	Non-ACM	Women's Bathroom at Room 228	ND	
0523BH-22B	Ceramic Wall Tile Underlayment	Non-ACM	Basement Kitchen	ND	
0523BH-22C	Ceramic Wall Tile Underlayment	Non-ACM	Bathroom in Room 116B	ND	
0523BH-22D	Ceramic Wall Tile Underlayment	Non-ACM	Women's Bathroom at Room 121	ND	
0523BH-23A	Beige Shower Caulking	Non-ACM	Men's Bathroom at Room 232	ND/ND	Yes
0523BH-23B	Beige Shower Caulking	Non-ACM	Men's Bathroom at Room 126	ND	
0523BH-24A	White Shower Caulking	Non-ACM	Men's Bathroom at Room 232	ND/ND	Yes
0523BH-24B	White Shower Caulking	Non-ACM	Men's Bathroom at Room 126	ND	
0523BH-25A	Black Glue on Ceramic Wall Tile	Cat 2 NF	Women's Bathroom at Room 211	4% Chrysotile	
0523BH-25B	Black Glue on Ceramic Wall Tile	Cat 2 NF	Women's Bathroom at Room 211	NA/PS	
0523BH-26A	Gray Cementitious Panel	Cat 2 NF	Room 127 on Pipe Chase Hatch	18% Chrysotile	
0523BH-26B	Gray Cementitious Panel	Cat 2 NF	Room 127 on Pipe Chase Hatch	NA/PS	
0523BH-27A	Brown Chair Rail Wall Panel	Non-ACM	Corridor at Room 109	ND	
0523BH-27B	Brown Chair Rail Wall Panel	Non-ACM	Corridor at Room 109	ND	
0523BH-28A	Yellow Glue on Chair Rail Wall Panel	Non-ACM	Corridor at Room 109	ND/ND	Yes
0523BH-28B	Yellow Glue on Chair Rail Wall Panel	Non-ACM	Corridor at Room 109	ND	
0523BH-29A	Brown Laminate Panel/Glue	Non-ACM	Basement Storage 4	ND/ND	Yes
0523BH-29B	Brown Laminate Panel/Glue	Non-ACM	Basement Storage 4	ND	
0523BH-30A	Light Gray Granite Window Sill	Non-ACM	Bathroom at Room 232	ND	
0523BH-30B	Light Gray Granite Window Sill	Non-ACM	Bathroom at Room 232	ND	
0523BH-31A	Brick	Non-ACM	Attic	ND	
0523BH-31B	Brick	Non-ACM	Basement	ND	
0523BH-31C	Brick	Non-ACM	Exterior	ND	
0523BH-32A	Brick Grout	Non-ACM	Attic	ND	
0523BH-32B	Brick Grout	Non-ACM	Basement	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-32C	Brick Grout	Non-ACM	Exterior	ND	
0523BH-33A	Terracotta Block	Non-ACM	Second Floor	ND	
0523BH-33B	Terracotta Block	Non-ACM	Second Floor	ND	
0523BH-34A	Terracotta Block Grout	Non-ACM	Second Floor	ND	
0523BH-34B	Terracotta Block Grout	Non-ACM	Second Floor	ND	
0523BH-35A	Black Tar On Terracotta Block	Non-ACM	Women's Bathroom at Room 211	ND/ND	Yes
0523BH-35B	Black Tar On Terracotta Block	Non-ACM	Room 132 Behind Plaster Wall	ND	
0523BH-36A	Green Board	Non-ACM	Corridor at Room 115	ND	
0523BH-36B	Green Board	Non-ACM	Corridor at Room 115	ND	
0523BH-37A	Brown Glue on Green Board	Non-ACM	Corridor at Room 115	ND/ND	Yes
0523BH-37B	Brown Glue on Green Board	Non-ACM	Corridor at Room 115	ND	
0523BH-38A	Dark Brown Glue	Cat 2 NF	Lounge Room on Bulletin Board	3% Chrysotile	
0523BH-38B	Dark Brown Glue	Cat 2 NF	Lounge Room on Bulletin Board	NA/PS	
0523BH-39A	Light Gray Concrete Cove Base	Non-ACM	Room 237	ND	
0523BH-39B	Light Gray Concrete Cove Base	Non-ACM	Room 128	ND	
0523BH-40A	Dark Gray Concrete Cove Base	Non-ACM	Basement	ND	
0523BH-40B	Dark Gray Concrete Cove Base	Non-ACM	Basement	ND	
0523BH-41A	Concrete Cove Base Grout	Non-ACM	Basement	ND	
0523BH-41B	Concrete Cove Base Grout	Non-ACM	Basement	ND	
0523BH-42A	Gray Floor Ceramic Tile	Non-ACM	Women's Bathroom at Room 121 Slop Sink	ND	
0523BH-42B	White Floor Ceramic Tile	Non-ACM	Men's Bathroom at Room 232	ND	
0523BH-42C	Pink /Green Ceramic Floor Tiles	Non-ACM	Women's Bathroom at Room 228	ND	
0523BH-42D	Yellow Ceramic Floor Tile	Non-ACM	Room 116B Bathroom	ND	
0523BH-43A	Ceramic Floor Tile Grout	Non-ACM	Women's Bathroom at Room 228	ND	
0523BH-43B	Ceramic Floor Tile Grout	Non-ACM	Room 116B Bathroom	ND	
0523BH-43C	Ceramic Floor Tile Grout	Non-ACM	Women's Bathroom at Room 121	ND	
0523BH-44A	Ceramic Floor Tile Thinset	Non-ACM	Women's Bathroom at Room 121	ND	
0523BH-44B	Ceramic Floor Tile Thinset	Non-ACM	Men's Bathroom at Room 126	ND	
0523BH-44C	Ceramic Floor Tile Thinset	Non-ACM	Room 116B Bathroom	ND	
0523BH-45A	White/Black Floor Ceramic Tiles	Non-ACM	Bathroom at Room 232 on Showers Floor	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-45B	White/Black Floor Ceramic Tiles	Non-ACM	Bathroom at Room 232 on Showers Floor	ND	
0523BH-46A	Gray Floor Ceramic Tiles Grout	Non-ACM	Bathroom at Room 232 on Showers Floor	ND	
0523BH-46B	Gray Floor Ceramic Tiles Grout	Non-ACM	Bathroom at Room 232 on Showers Floor	ND	
0523BH-47A	Gray Floor Ceramic Tiles Thinset	Non-ACM	Bathroom at Room 232 on Showers Floor	ND	
0523BH-47B	Gray Floor Ceramic Tiles Thinset	Non-ACM	Bathroom at Room 232 on Showers Floor	ND	
0523BH-48A	Gray Concrete Floor	Non-ACM	Attic	ND	
0523BH-48B	Gray Concrete Floor	Non-ACM	Attic	ND	
0523BH-49A	Black Floor Tile Mastic	Cat 2 NF	Room 237	4% Chrysotile	
0523BH-49B	Black Floor Tile Mastic	Cat 2 NF	Room 131	NA/PS	
0523BH-49C	Black Floor Tile Mastic	Cat 2 NF	Basement	NA/PS	
0523BH-50A	Yellow/Gray Linoleum Flooring	Non-ACM	Telephone Box at Room 224 Floor	ND/ND	Yes
0523BH-50B	Yellow/Gray Linoleum Flooring	Non-ACM	Telephone Box at Room 224 Floor	ND	
0523BH-51A	Yellow Linoleum Glue	Non-ACM	Telephone Box at Room 224 Floor	ND/ND	Yes
0523BH-51B	Yellow Linoleum Glue	Non-ACM	Telephone Box at Room 224 Floor	ND	
0523BH-52A	Black/Gray Cove Base Slate	Non-ACM	Lounge Room	ND	
0523BH-52B	Black/Gray Cove Base Slate	Non-ACM	Lounge Room	ND	
0523BH-53A	Gray Threshold Slab	Non-ACM	North Building Door	ND	
0523BH-53B	Gray Threshold Slab	Non-ACM	North Building Door	ND	
0523BH-54A	Black Granite Floor	Non-ACM	North Building Door Hall	ND	
0523BH-54B	Black Granite Floor	Non-ACM	North Building Door Hall	ND	
0523BH-55A	White Granite Floor	Non-ACM	North Building Door Hall	ND	
0523BH-55B	White Granite Floor	Non-ACM	North Building Door Hall	ND	
0523BH-56A	Gray Slate Step	Non-ACM	North Stairwell	ND	
0523BH-56B	Gray Slate Step	Non-ACM	South Stairwell	ND	
0523BH-57A	White Interior Door Window Glazing	Non-ACM	Basement Storage 1 Door	ND/ND	Yes
0523BH-57B	White Interior Door Window Glazing	Non-ACM	Basement Storage 2 Door	ND	
0523BH-58A	White Exterior Door Window Glazing	Non-ACM	East Arch Exterior Door	ND/ND	Yes

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-58B	White Exterior Door Window Glazing	Non-ACM	North Arch Exterior Door	ND	
0523BH-58C	White Exterior Door Window Glazing	Non-ACM	Basement Exterior Door	ND	
0523BH-59A	White Exterior Window Glazing	Non-ACM	Exterior Window East Side	ND/ND	Yes
0523BH-59B	White Exterior Window Glazing	Non-ACM	Exterior Window West Side	ND	
0523BH-59C	White Exterior Window Glazing	Non-ACM	Exterior Window North Side	ND	
0523BH-59D	White Exterior Window Glazing	Non-ACM	Exterior Window South Side	ND	
0523BH-59E	White Exterior Window Glazing	Non-ACM	Attic Round Window	ND	
0523BH-59F	White Exterior Window Glazing	Non-ACM	Basement Window	ND	
0523BH-60A	White Exterior Window Caulking	Cat 2 NF	Exterior Window East Side	8% Chrysotile	
0523BH-60B	White Exterior Window Caulking	Cat 2 NF	Exterior Window West Side	NA/PS	
0523BH-60C	White Exterior Window Caulking	Cat 2 NF	Exterior Window North Side	NA/PS	
0523BH-60D	White Exterior Window Caulking	Cat 2 NF	Exterior Window South Side	NA/PS	
0523BH-60E	White Exterior Window Caulking	Cat 2 NF	Attic Round Window	NA/PS	
0523BH-60F	White Exterior Window Caulking	Cat 2 NF	Basement Window	NA/PS	
0523BH-61A	Exterior Brown Window Caulking	Cat 2 NF	Exterior South Side Window Behind Brick	6% Chrysotile	
0523BH-61B	Exterior Brown Window Caulking	Cat 2 NF	Exterior South Side Window Behind Brick	NA/PS	
0523BH-62A	Black Roof Base Sheet	Non-ACM	Roof	ND/ND	Yes
0523BH-62B	Black Roof Base Sheet	Non-ACM	Roof	ND	
0523BH-63A	Roof Cementitious Panel	Cat 1 NF	Roof	20% Chrysotile	
0523BH-63B	Roof Cementitious Panel	Cat 1 NF	Roof	NA/PS	
0523BH-64A	Black Field Roofing	Cat 1 NF	South Porch Roof Field	ND/3.3% Chrysotile	Yes
0523BH-64B	Black Field Roofing	Cat 1 NF	North Porch Roof Field	ND	
0523BH-65A	Black Flashing/Tar	Cat 1 NF	South Porch Roof Perimeter	5% Chrysotile	
0523BH-65B	Black Flashing/Tar	Cat 1 NF	North Porch Roof Perimeter	NA/PS	
0523BH-66A	Tan Rough Plaster Coat	Friable	North Porch Ceiling	3% Chrysotile	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0523BH-66B	Tan Rough Plaster Coat	Friable	North Porch Ceiling	NA/PS	
0523BH-66C	Tan Rough Plaster Coat	Friable	North Porch Ceiling	NA/PS	
0523BH-67A	White Texture Paint	Friable	North Porch Ceiling	3% Chrysotile	
0523BH-67B	White Texture Paint	Friable	North Porch Ceiling	NA/PS	
0523BH-67C	White Texture Paint	Friable	North Porch Ceiling	NA/PS	
0523BH-68A	Grey Ceiling Panel	Non-ACM	South Porch Ceiling	ND	
0523BH-68B	Grey Ceiling Panel	Non-ACM	South Porch Ceiling	ND	
0523BH-69A	Gray Stone	Non-ACM	South Porch Floor	ND	
0523BH-69B	Gray Stone	Non-ACM	North Porch Floor	ND	
0523BH-70A	Gray Stone Grout	Non-ACM	North Porch Floor	ND	
0523BH-70B	Gray Stone Grout	Non-ACM	South Porch Floor	ND	
0523BH-71A	Black Damp-proofing Under Concrete Window Sill	Cat 2 NF	Exterior South Side 1 st Floor Window	ND/1.6% Chrysotile	Yes
0523BH-71B	Black Damp-proofing Under Concrete Window Sill	Cat 2 NF	Exterior South Side 1 st Floor Window	ND	
0523BH-72A	Concrete Window Sill	Non-ACM	Exterior South Side 1 st Floor Window	ND	
0523BH-72B	Concrete Window Sill	Non-ACM	Exterior South Side 1 st Floor Window	ND	

Cat 1 NF = Category I Non-Friable Material

Cat 2 NF = Category II Non-Friable Material

ND = None Detected

NA/PS = Not Analyzed/Positive Stop

N/A = Not Applicable

Table 1B
Summary of Suspect Asbestos-Containing Plaster Materials Data

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0523BH-01	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 237	0.25% Chrysotile
SPS0523BH-02	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 236	0.47% Chrysotile
SPS0523BH-03	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 231	0.37% Chrysotile
SPS0523BH-04	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor North Stairwell	0.43% Chrysotile
SPS0523BH-05	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 228	0.75% Chrysotile
SPS0523BH-06	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Bathroom at Room 228	0.67% Chrysotile
SPS0523BH-07	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 226	0.24% Chrysotile
SPS0523BH-08	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 223	0.99% Chrysotile
SPS0523BH-09	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 220	0.94% Chrysotile
SPS0523BH-10	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 217	0.69% Chrysotile

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0523BH-11	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 213	0.38% Chrysotile
SPS0523BH-12	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 211	0.71% Chrysotile
SPS0523BH-13	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 209	0.96% Chrysotile
SPS0523BH-14	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 208	0.50% Chrysotile
SPS0523BH-15	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room South Stairwell	0.92% Chrysotile
SPS0523BH-16	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 206	0.75% Chrysotile
SPS0523BH-17	Gray Base Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 204	0.74% Chrysotile
SPS0523BH-18	Gray Base Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 201	0.77% Chrysotile
SPS0523BH-19	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 132	0.50% Chrysotile
SPS0523BH-20	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 132	0.60% Chrysotile
SPS0523BH-21	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 126	1.0% Chrysotile
SPS0523BH-22	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor North Wing Corridor	0.76% Chrysotile
SPS0523BH-23	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor North Stairwell	1.0% Chrysotile
SPS0523BH-24	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 125	0.99% Chrysotile
SPS0523BH-25	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 124	0.75% Chrysotile
SPS0523BH-26	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 121	1.45% Chrysotile*
SPS0523BH-27	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 120	0.49% Chrysotile
SPS0523BH-28	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Lounge Room	0.84% Chrysotile
SPS0523BH-29	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 118B	1.20% Chrysotile*
SPS0523BH-30	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 115	0.62% Chrysotile
SPS0523BH-31	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 113	0.96% Chrysotile
SPS0523BH-32	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 111	1.23% Chrysotile*
SPS0523BH-33	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor South Stairwell	0.98% Chrysotile
SPS0523BH-34	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 108	0.76% Chrysotile
SPS0523BH-35	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 107	0.46% Chrysotile
SPS0523BH-36	Gray Base Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 105	0.68% Chrysotile
SPS0523BH-37	Gray Base Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 103	0.73% Chrysotile
SPS0523BH-38	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement Closet at Women's Bathroom	0.45% Chrysotile
SPS0523BH-39	Gray Base Coat Ceiling Plaster	Friable - Surfacing	Basement North Corridor	0.24% Chrysotile
SPS0523BH-40	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement North Corridor	0.24% Chrysotile

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0523BH-41	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement Club Room	0.61% Chrysotile
SPS0523BH-42	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement Club Room	0.82% Chrysotile
SPS0523BH-43	Gray Base Coat Ceiling Plaster	Friable - Surfacing	Basement Club Room	0.45% Chrysotile
SPS0523BH-44	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement Club Room	0.21% Chrysotile
SPS0523BH-45	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement Kitchen	0.24% Chrysotile
SPS0523BH-46	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement South Corridor	0.27% Chrysotile
SPS0523BH-47	Gray Base Coat Wall Plaster	Friable - Surfacing	Basement Men's Bathroom at South Corridor	0.39% Chrysotile
SPS0523BH-48	Gray Base Coat Ceiling Plaster	Friable - Surfacing	Basement Closet Under South Stair Well	0.34% Chrysotile
SPS0523BH-49	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 237	ND
SPS0523BH-50	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 236	ND
SPS0523BH-51	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 231	ND
SPS0523BH-52	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor North Stairwell	ND
SPS0523BH-53	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 228	ND
SPS0523BH-54	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Bathroom at Room 228	ND
SPS0523BH-55	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 226	ND
SPS0523BH-56	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 223	ND
SPS0523BH-57	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 220	ND
SPS0523BH-58	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 217	ND
SPS0523BH-59	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 213	ND
SPS0523BH-60	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 211	ND
SPS0523BH-61	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room 209	ND
SPS0523BH-62	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 208	ND
SPS0523BH-63	White Top Coat Ceiling Plaster	Friable - Surfacing	2nd Floor Room South Stairwell	ND
SPS0523BH-64	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 206	ND
SPS0523BH-65	White Top Coat Wall Plaster	Friable - Surfacing	2nd Floor Room 201	ND
SPS0523BH-66	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 132	ND
SPS0523BH-67	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 132	ND
SPS0523BH-68	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 126	ND
SPS0523BH-69	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor North Wing Corridor	ND
SPS0523BH-70	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor North Stairwell	ND

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0523BH-71	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 125	ND
SPS0523BH-72	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 124	ND
SPS0523BH-73	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 121	ND
SPS0523BH-74	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 120	ND
SPS0523BH-75	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Lounge Room	ND
SPS0523BH-76	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 118B	ND
SPS0523BH-77	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 115	ND
SPS0523BH-78	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 113	ND
SPS0523BH-79	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 111	ND
SPS0523BH-80	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor South Stairwell	ND
SPS0523BH-81	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 108	ND
SPS0523BH-82	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 107	ND
SPS0523BH-83	White Top Coat Ceiling Plaster	Friable - Surfacing	1 st Floor Room 105	ND
SPS0523BH-84	White Top Coat Wall Plaster	Friable - Surfacing	1 st Floor Room 103	ND
SPS0523BH-85	White Top Coat Wall Plaster	Friable - Surfacing	Basement Closet at Women's Bathroom	ND
SPS0523BH-86	White Top Coat Ceiling Plaster	Friable - Surfacing	Basement North Corridor	ND
SPS0523BH-87	White Top Coat Wall Plaster	Friable - Surfacing	Basement North Corridor	ND
SPS0523BH-88	White Top Coat Wall Plaster	Friable - Surfacing	Basement Club Room	ND
SPS0523BH-89	White Top Coat Wall Plaster	Friable - Surfacing	Basement Club Room	ND
SPS0523BH-90	White Top Coat Ceiling Plaster	Friable - Surfacing	Basement Club Room	ND
SPS0523BH-91	White Top Coat Wall Plaster	Friable - Surfacing	Basement Club Room	ND
SPS0523BH-92	White Top Coat Wall Plaster	Friable - Surfacing	Basement Kitchen	ND
SPS0523BH-93	White Top Coat Wall Plaster	Friable - Surfacing	Basement South Corridor	ND
SPS0523BH-94	White Top Coat Wall Plaster	Friable - Surfacing	Basement Men's Bathroom at South Corridor	ND
SPS0523BH-95	White Top Coat Ceiling Plaster	Friable - Surfacing	Basement Closet Under South Stair Well	ND

ND=None Detected

NA/PS = Not Analyzed/Positive Stop

*Material considered Non-ACM based on EPA Applicability Determination Index Control Number A070006 document titled *Rounding Reported Values*

Table 2
Summary of Asbestos-Containing Materials

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation	Throughout Building	15% Amosite; 10% – 40% Chrysotile	6,000 LF	Accessible and Inaccessible Observed within vertical & horizontal pipe chases & wet wall chases. Damaged material exists throughout
Gray Radiator Insulation and Insulation Paper	1st Floor Lounge Room & Entryway	40% Chrysotile	4 Locations (80 SF)	Material observed behind metal radiator backing panels
White Putty Caulking Compounds on Electrical Wiring inside Metal Drinking Fountains	Corridor at Room 215	2% Chrysotile	1 EA	
Brown Glue Daub on Rectangular 6" x 4" Ceiling Tiles	Corridor Areas	5% Chrysotile	30,200 SF	
Black Glue on Ceramic Wall Tile	Women's Bathroom at Room 211	4% Chrysotile	20 SF (<i>may exist in other areas</i>)	Associated with exterior walls
Gray Cementitious Wall Hatch Panel	1st Floor Room 127	18% Chrysotile	3 Locations (18 SF)	
Dark Brown Glue Daubs behind Bulletin Board	1st Floor Lounge Room	3% Chrysotile	25 SF	
Floor Tile (multiple types and colors) and Black Mastic	Throughout Building	4% Chrysotile	36,200 SF	all floor tile is considered contaminated by ACM black mastic & must be removed & disposed as ACM
White and Brown Exterior Window Caulking Compounds	Exterior Window Systems	6% – 8% Chrysotile	180 Openings	Brown window caulking observed behind white top window caulking and brick
Black Damp-Proofing/Tar under Concrete Window Sill		1.6% Chrysotile	1,100 SF	
Cementitious Roof Shingles and Flashing/Tar	Main Pitched Roof System	20% Chrysotile	36,000 SF	
Black Field Roofing & Perimeter Flashing/Tar	North & South Entrance Porch Roof Systems	3.3% – 5% Chrysotile	700 SF	

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Exterior Porch Ceiling Plaster & White Textured Ceiling Paint	North Entrance Porch Ceiling	3% Chrysotile	250 SF	

EA = Each

LF = Linear Feet

SF = Square Feet

Table 3
Summary of PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes

Waste Type	Attic	2 nd Floor	1 st Floor	Basement	Estimated Total
PCB Light Ballasts	0	28	23	10	61
2 " x 4' Mercury Light Tubes	0	48	120	20	188
Smoke Detector	0	0	21	0	21
Battery	0	2	0	4	6
Exit Lights	0	2	6	0	8
Hydraulic Door Hinge	0	0	10	0	10
Oil Transformers	4	0	0	0	4
Electrical Box	0	5	0	0	5

Appendix A

Limitations

APPENDIX A - LIMITATIONS

**Stamford Hall
Homestead Lane
Newtown, Connecticut**

1. This environmental report has been prepared for the exclusive use of The Town of Newtown (the "Client"), and is subject to, and is issued in connection with the General Terms and Conditions of the original Agreement and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill EnviroScience, LLC, (EnviroScience) shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
2. EnviroScience has obtained and relied upon information from multiple sources to form certain conclusions regarding likely environmental issues at and in the vicinity of the subject property in conducting this inspection. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information or verify compliance by any party with federal, state or local laws or regulations.
3. EnviroScience has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM and LBP that must be managed prior to demolition activities that may disturb these materials at the Site. EnviroScience has not performed an independent review of the reliability of this laboratory data.
4. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surface that were not included in the scope of work of this inspection. EnviroScience cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this inspection.
5. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our verbal agreement which reflects schedule and budgetary constraints imposed by the Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
6. The conclusions presented in this report are based solely upon information gathered by EnviroScience to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to EnviroScience's attention. Based upon an evaluation and assessment of relevant information, EnviroScience may modify the letter report and its conclusions.

Appendix B

EnviroScience Inspector State Licenses and EPA Accreditations

1001144 01 AV 0.378 **AUTQ 16 1 0364 06040 599246 (C0) P01147 1



JOHN R. HOBBINS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992

Dear JOHN R. HOBBINS,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
opl.c.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBINS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147894	000700	01/31/16
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 SIGNATURE		 COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT	
THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A	
ASBESTOS CONSULTANT-INSPECTOR	
JOHN R. HOBBINS	CERTIFICATE NO. 000700
	CURRENT THROUGH 01/31/16
	VALIDATION NO. 03-147894
 SIGNATURE	 COMMISSIONER

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBINS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147894	000700	01/31/16
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 SIGNATURE		 COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

John Robert Hobbins

XXX-XX-6853

has successfully completed the
4 Hr. Asbestos Inspector Refresher
Asbestos Accreditation under TSCA Title II
40 CFR Part 763



John Rowinski, Principal Instructor



Robert L. May, Jr., Training Manager

September 3, 2014

Date of Course

AI-R-09/14-6

Certificate Number

September 3, 2015

Examination Date

September 3, 2015

Expiration Date

1001143 01 AV 0.378 **AUTQ 16 1 0564 06040 599246 C01 P01146-1



JOHN R. HOBBINS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992



Dear JOHN R. HOBBINS,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
opl.c.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBINS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147893	002156	01/31/16
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE		 COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR

JOHN R. HOBBINS

CERTIFICATE NO
002156

CURRENT THROUGH
01/31/16

VALIDATION NO.
03-147893

SIGNATURE
COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
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WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBINS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147893	002156	01/31/16
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE		 COMMISSIONER

Certificate of Training

This program was presented at
Fuss & O'Neill Enviro Science in.
Manchester, CT with the prior
approval of the CTDPH.

Awarded to

JOHN ROBERT HOBBS

146 HARTFORD ROAD, MANCHESTER, CT 06040

*has successfully completed a 7 hour, 1 day
Lead Inspector Refresher Training*

February 11 & 19, 2015

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: LITR23753

Exam Grade: 100

Expiration Date: 02/19/2016

Exam Date: 02/19/2015

Christopher J. Eident
Christopher J. Eident, CIH, CSP, RS

Richard Haffey
George Williamson, Training Director

Richard Haffey, Training Director

1001095 01 AV 0.388 **AUTO** T6 1 0564 06040-599246 -C01-P01098-I



JOHN R. HOBBS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992

Dear JOHN R. HOBBS,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, ACTING COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-372678	002156	01/31/17
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE	 ACTING COMMISSIONER	

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
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STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR

JOHN R. HOBBS

CERTIFICATE NO.
002156
CURRENT THROUGH
01/31/17
VALIDATION NO.
03-372678

SIGNATURE
ACTING COMMISSIONER

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-372678	002156	01/31/17
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE	 ACTING COMMISSIONER	

Certificate of Training

This program was presented at
Fuss & O'Neill Enviro Science in.
Manchester, CT with the prior
approval of the CTDPH.

Awarded to

JOHN ROBERT HOBBS

146 HARTFORD ROAD, MANCHESTER, CT 06040

has successfully completed a 7 hour, 1 day

Lead Inspector Refresher Training

February 16 & 18, 2016

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: LITR24774

Exam Grade: 97

Expiration Date: 02/18/2017

Exam Date: 02/18/2016

Christopher J. Eident

Christopher J. Eident, CIH, CSP, RS

Richard Haffey

George Williamson, Training Director

Richard Haffey, Training Director



Dear SANDRA L GUZMAN,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
SANDRA L GUZMAN		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-928852	000823	08/31/15
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 SIGNATURE		 COMMISSIONER

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

SANDRA L GUZMAN

CERTIFICATE NO.
000823

CURRENT THROUGH
08/31/15

VALIDATION NO.
03-928852

SIGNATURE
COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
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WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
SANDRA L GUZMAN		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-928852	000823	08/31/15
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 SIGNATURE		 COMMISSIONER

104 East 25th Street, New York, NY 10010
(212) 353-8280

certifies that

Sandra Guzman-Castro

XXX-XX-XXXX

(Social Security Number)

*Has Successfully Completed the Accredited 4 Hour EPA-AHERA/ASHARA under 40 CFR 763 and the
New York State Department of Health Approved Course for*

Asbestos Inspector Refresher

on

November 6, 2014

**** Please note that the official record of successful completion is the DOH 2832 Certificate of Asbestos Safety Training.****

This course meets the requirements of TSCA Title II

8Certificate#: NYS -RHIIIR-19968

Exam date: 11-06-14

Expiration Date: 11-067-15

Course Location Cardno ATC, NYC

Signed:



Steve Winograd, Director of Training



Dear SANDRA L GUZMAN,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
SANDRA L GUZMAN		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-928851	002210	08/31/15
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE		 COMMISSIONER

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT	
THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A LEAD INSPECTOR	
SANDRA L GUZMAN	CERTIFICATE NO. 002210
	CURRENT THROUGH 08/31/15
	VALIDATION NO. 03-928851
 SIGNATURE	 COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
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WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
SANDRA L GUZMAN		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-928851	002210	08/31/15
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE	 COMMISSIONER	

CERT# L-500 - 155

**CHEMSCOPE TRAINING DIVISION
LEAD INSPECTOR REFRESHER
8 HOUR TRAINING CERTIFICATE**

**Sandra L. Guzman
146 Hartford Road , Manchester CT**

Has attended an 8 hour course on the subject discipline in English on
9/11/2014 and has passed a written examination.

The above individual has successfully completed the above training course approved in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes.

Course syllabus includes all required topics of State of Connecticut DPH and EPA.

Examination Date: 9/11/2014

Expiration Date: 9/11/2015

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.



Ronald D. Arena
Training Manager

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

Appendix C

Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms


FUSS & O'NEILL
 EnviroScience, LLC

621501005

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 12

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268, ASE Date: June 02, 2015
 Site Address: Homestead Line, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-01A	Storage 2	Gray Layered Pipe Insulation
0523BH-01B	Storage 2	Gray Layered Pipe Insulation
0523BH0-01C	Room 233	Gray Layered Pipe Insulation
0523BH-02A	Room 233	Black inside Paper Backing on Layered Pipe Insulation
0523BH-02B	Room 236	Black inside Paper Backing on Layered Pipe Insulation
0523BH-02C	Storage 2	Black inside Paper Backing on Layered Pipe Insulation
0523BH-03A	Storage 1A	Gray Mudded Pipe Fitting Insulation
0523BH-03B	Room 116 B	Gray Mudded Pipe Fitting Insulation
0523BH-03C	Room 233	Gray Mudded Pipe Fitting Insulation
0523BH-04A	Lounge Room	Gray Corrugated Paper Insulation Behind Radiator Metal
0523BH-04B	Lounge Room	Gray Corrugated Paper Insulation Behind Radiator Metal
0523BH-04C	Lounge Room	Gray Corrugated Paper Insulation Behind Radiator Metal
0523BH-05A	Basement Storage 4	White Mag Pipe Insulation
0523BH-05B	Basement Storage 4	White Mag Pipe Insulation
0523BH-05C	Room 131	White Mag Pipe Insulation

 Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

 Email Results to: kmccarthy@fando.com
 FAX Results to: 888-838-1160
Do Not Mail Hard Copy Report Total # of Samples: _____

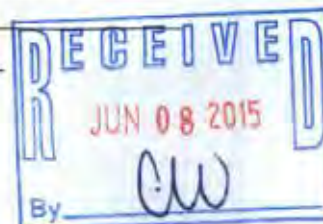
Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. IF NOB group Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

 Samples collected by: B. Hobbins/Sandra Guzman SG Date: May 21-May 23, 2015 Time: _____

 Samples Sent by: Sandra Guzman SG Date: _____ Time: _____

 Samples Received by: [Signature] Date: 6.8.15 Time: 09:45

 Shipped To: ☒ EMSL State ME ☐ Other _____

 Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



FUSS & O'NEILL
EnviroScience, LLC

621501005

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of 12Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268, A5E Date: June 02, 2015Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-06A	Room 236	Tan Pipe Fabric Wrap
0523BH-06B	Room 236	Tan Pipe Fabric Wrap
0523BH-06C	Room 236	Tan Pipe Fabric Wrap
0523BH-07A	Door to Basement at Room 108	Fire Door Insulation
0523BH-07B	Door to Basement at Room 108	Fire Door Insulation
0523BH-07C	Door to Basement at Room 108	Fire Door Insulation
0523BH-08A	Basement	Black Pipe Gasket
0523BH-08B	Basement	Black Pipe Gasket
0523BH-09A	Basement Storage 2	Tan Wire Cover
0523BH-09B	Basement Storage 2	Tan Wire Cover
0523BH-10A	Basement Storage 2	Black Wire Coating
0523BH-10B	Basement Storage 2	Black Wire Coating
0523BH-11A	Basement Storage 3 on Concrete Deck	Dark Brown Felt Paper
0523BH-11B	Basement Storage 3 on Concrete Deck	Dark Brown Felt Paper
0523BH-12A	Room 115 on Electrical Wires (Metal Drinking Fountain)	White Putty Caulking

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com

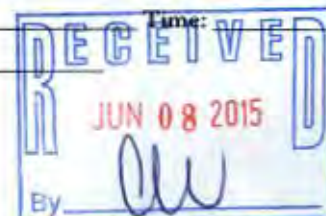
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. IF NOB group Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins/Sandra Guzman SG Date: May 21-May 23, 2015 Time: _____Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
 EnviroScience, LLC

621501005

www.fando.com

56 Quarry Road, Trumbull, CT 06661

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 3 of 12Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268.A5E Date: June 02, 2015Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH12B	Corridor at Room 215 on Electrical Wires Room 115 on Electrical Wires	White Putty Caulking
0523BH-13A	Lounge Room	Beige Wire Coating
0523BH-13B	Lounge Room	Beige Wire Coating
0523BH-14A	Attic Mechanical Room	Black Wiring Coating
0523BH-14B	Attic Mechanical Room	Black Wiring Coating
0523BH-15A	North Wing Corridor	Brown 6"x4" Ceiling Tiles
0523BH-15B	Corridor at Room 204	Brown 6"x4" Ceiling Tiles
0523BH-16A	Corridor at Room 204	Brown Ceiling Tiles Glue
0523BH-16B	Corridor at Room 132	Brown Ceiling Tiles Glue
0523BH-17A	Basement Storage 2	Black Electrical Switch Panel
0523BH-17B	Basement Storage 2	Black Electrical Switch Panel
0523BH-18A	Basement Storage 2 Electrical Room 2	Gray Mount Panel
0523BH-18B	Basement Storage 2 Electrical Room 2	Gray Mount Panel
0523BH-19A	Basement Storage 2 Electrical Room 2	Beige Electrical Switch
0523BH-19B	Basement Storage 2 Electrical Room 2	Beige Electrical Switch

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

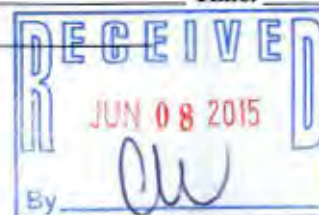
Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com**Do Not Mail Hard Copy Report** Total # of Samples: _____FAX Results to: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. IF NOB group Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins/Sandra Guzman ^{BH SG} Date: May 21-May 23, 2015 Time: _____Samples Sent by: Sandra Guzman ^{SG} Date: _____ Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 4 of 12

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268.A5E Date: June 02, 2015
 Site Address: Homestead Line, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-20A	Women's Bathroom at Room 228	Dark Pink Ceramic Wall Tile
0523BH-20B	Bathroom in Room 116B	Yellow Ceramic Wall Tile
0523BH-20C	Basement Kitchen	Gray Ceramic Wall Tile
0523BH-20D	Women's Bathroom at Room 121	Pink Ceramic Wall Tile
0523BH-21A	Women's Bathroom at Room 228	Ceramic Wall Tile Grout
0523BH-21B	Bathroom in Room 116B	Ceramic Wall Tile Grout
0523BH-21C	Basement Kitchen	Ceramic Wall Tile Grout
0523BH-21D	Women's Bathroom at Room 121	Ceramic Wall Tile Grout
0523BH-22A	Women's Bathroom at Room 228	Ceramic Wall Tile Underlayment
0523BH-22B	Basement Kitchen	Ceramic Wall Tile Underlayment
0523BH-22C	Bathroom in Room 116B	Ceramic Wall Tile Underlayment
0523BH-22D	Women's Bathroom at Room 121	Ceramic Wall Tile Underlayment
0523BH-23A	Men's Bathroom at Room 232	Beige Shower Caulking
0523BH-23B	Men's Bathroom at Room 126	Beige Shower Caulking
0523BH-24A	Men's Bathroom at Room 232	White Shower Caulking

 Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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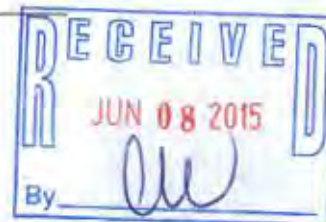
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 Samples collected by: B. Hobbins/Sandra Guzman SG Date: May 21-May 23, 2015 Time: _____

 Samples Sent by: Sandra Guzman SG Date: _____ Time: _____

Samples Received by: _____ Date: _____ Time: _____

 Shipped To: ☒ EMSL State ME ☐ Other _____

 Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 5 of 12Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268_A5E Date: June 02, 2015Site Address: Homestead Line, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-24B	Men's Bathroom at Room 126	White Shower Caulking
0523BH-25A	Women's Bathroom at Room 211	Black Glue on Ceramic Wall Tile
0523BH-25B	Women's Bathroom at Room 211	Black Glue on Ceramic Wall Tile
0523BH-26A	Room 127 on Pipe Chase Hatch	Gray Cementitious Panel
0523BH-26B	Room 127 on Pipe Chase Hatch	Gray Cementitious Panel
0523BH-27A	Corridor at Room 109	Brown Chair Rail Wall Panel
0523BH-27B	Corridor at Room 109	Brown Chair Rail Wall Panel
0523BH-28A	Corridor at Room 109	Yellow Glue on Chair Rail Wall Panel
0523BH-28B	Corridor at Room 109	Yellow Glue on Chair Rail Wall Panel
0523BH-29A	Basement Storage 4	Brown Laminate Panel/Glue
0523BH-29B	Basement Storage 4	Brown Laminate Panel/Glue
0523BH-30A	Bathroom at Room 232	Light Gray Granite Window Sill
0523BH-30B	Bathroom at Room 232	Light Gray Granite Window Sill
0523BH-31A	Attic	Brick
0523BH-31B	Basement	Brick
0523BH-31C	Exterior	Brick

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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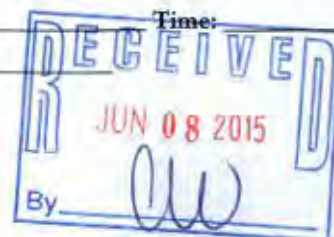
Email Results to: kmccarthy@fando.comDo Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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Samples collected by: B. Hobbins/Sandra Guzman ^{BH} ^{SG} Date: May 21-May 23, 2015 Time: _____Samples Sent by: Sandra Guzman ^{SG} Date: _____ Time: _____

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Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 6 of 12Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268, A5E Date: June 02, 2015Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-32A	Attic	Brick Grout
0523BH-32B	Basement	Brick Grout
0523BH-32C	Exterior	Brick Grout
0523BH-33A	Second Floor	Terracotta Block
0523BH-33B	Second Floor	Terracotta Block
0523BH-34A	Second Floor	Terracotta Block Grout
0523BH-34B	Second Floor	Terracotta Block Grout
0523BH-35A	Women's Bathroom at Room 211	Black Tar On Terracotta Block
0523BH-35B	Room 132 Behind Plaster Wall	Black Tar On Terracotta Block
0523BH-36A	Corridor at Room 115	Green Board
0523BH-36B	Corridor at Room 115	Green Board
0523BH-37A	Corridor at Room 115	Brown Glue on Green Board
0523BH-37B	Corridor at Room 115	Brown Glue on Green Board
0523BH-38A	Lounge Room on Bulleting Board	Dark Brown Glue
0523BH-38B	Lounge Room on Bulleting Board	Dark Brown Glue

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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Email Results to: kmccarthy@fando.com

Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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Samples collected by: B. Hobbins/Sandra Guzman ^{BH SG} Date: May 21-May 23, 2015 Time: _____Samples Sent by: Sandra Guzman ^{SG} Date: _____ Time: _____

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 7 of 12

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268_A5E Date: June 02, 2015
 Site Address: Homestead Line, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-39A	Room 237	Light Gray Concrete Cove Base
0523BH-39B	Room 128	Light Gray Concrete Cove Base
0523BH-40A	Basement	Dark Gray Concrete Cove Base
0523BH-40B	Basement	Dark Gray Concrete Cove Base
0523BH-41A	Basement	Concrete Cove Base Grout
0523BH-41B	Basement	Concrete Cove Base Grout
0523BH-42A	Women's Bathroom at Room 121 Slop Sink	Gray Floor Ceramic Tiles
0523BH-42B	Men's Bathroom at Room 232	White Floor Ceramic Tiles
0523BH-42C	Women's Bathroom at Room 228	Pink /Green Ceramic Floor Tiles
0523BH-42D	Room 116B Bathroom	Yellow Ceramic Floor Tiles
0523BH-43A	Women's Bathroom at Room 228	Ceramic Floor Tile Grout
0523BH-43B	Room 116B Bathroom	Ceramic Floor Tile Grout
0523BH-43C	Women's Bathroom at Room 121	Ceramic Floor Tile Grout
0523BH-44A	Women's Bathroom at Room 121	Ceramic Floor Tile Thinset
0523BH-44B	Men's Bathroom at Room 126	Ceramic Floor Tile Thinset

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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Samples collected by: BH B. Hobbins/Sandra Guzman SG Date: May 21-May 23, 2015 Time: _____

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 8 of 12Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268.A5E Date: June 02, 2015Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-44C	Room 116B Bathroom	Ceramic Floor Tile Thinset
0523BH-45A	Bathroom at Room 232 on Showers Floor	White /Black Floor Ceramic Tiles
0523BH-45B	Bathroom at Room 232 on Showers Floor	White /Black Floor Ceramic Tiles
0523BH-46A	Bathroom at Room 232 on Showers Floor	Gray Floor Ceramic Tiles Grout
0523BH-46B	Bathroom at Room 232 on Showers Floor	Gray Floor Ceramic Tiles Grout
0523BH-47A	Bathroom at Room 232 on Showers Floor	Gray Floor Ceramic Tiles Thinset
0523BH-47B	Bathroom at Room 232 on Showers Floor	Gray Floor Ceramic Tiles Thinset
0523BH-48A	Attic	Gray Concrete Floor
0523BH-48B	Attic	Gray Concrete Floor
0523BH-49A	Room 237	Black Floor Tile Mastic
0523BH-49B	Room 131	Black Floor Tile Mastic
0523BH-49C	Basement	Black Floor Tile Mastic
0523BH-50A	Telephone Box at Room 224 Floor	Yellow/Gray Linoleum Flooring
0523BH-50B	Telephone Box at Room 224 Floor	Yellow/Gray Linoleum Flooring
0523BH-51A	Telephone Box at Room 224 Floor	Yellow Linoleum Glue

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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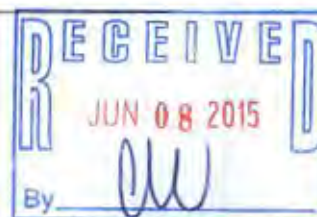
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Samples collected by: BH B. Hobbins/Sandra Guzman SC Date: May 21-May 23, 2015 Time: _____Samples Sent by: SG Sandra Guzman Date: _____ Time: _____

Samples Received by: _____ Date: _____ Time: _____

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM
Sheet 9 of 12
 Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268, A5E Date: June 02, 2015
 Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-51B	Telephone Box at Room 224 Floor	Yellow Linoleum Glue
0523BH-52A	Lounge Room	Black / Gray Cove Base Slate
0523BH-52B	Lounge Room	Black / Gray Cove Base Slate
0523BH-53A	North Building Door	Gray Threshold Slab
0523BH-53B	North Building Door	Gray Threshold Slab
0523BH-54A	North Building Door Hall	Black Granite Floor
0523BH-54B	North Building Door Hall	Black Granite Floor
0523BH-55A	North Building Door Hall	White Granite Floor
0523BH-55B	North Building Door Hall	White Granite Floor
0523BH-56A	North Stairwell	Gray Slate Steps
0523BH-56B	South Stairwell	Gray Slate Steps
0523BH-57A	Basement Storage 1 Door	White Interior Door Window Glazing
0523BH-57B	Basement Storage 2 Door	White Interior Door Window Glazing
0523BH-58A	East Arch Exterior Door	White Exterior Door Window Glazing
0523BH-58B	North Arch Exterior Door	White Exterior Door Window Glazing

 Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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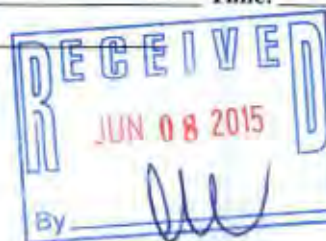
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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM
Sheet 10 of 12
 Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268_A5E Date: June 02, 2015
 Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-58C	Basement Exterior Door	White Exterior Door Window Glazing
0523BH-59A	Exterior Window East Side	White Exterior Window Glazing
0523BH-59B	Exterior Window West Side	White Exterior Window Glazing
0523BH-59C	Exterior Window North Side	White Exterior Window Glazing
0523BH-59D	Exterior Window South Side	White Exterior Window Glazing
0523BH-59E	Attic Round Window	White Exterior Window Glazing
0523BH-59F	Basement Window	White Exterior Window Glazing
0523BH-60A	Exterior Window East Side	White Exterior Window Caulking
0523BH-60B	Exterior Window West Side	White Exterior Window Caulking
0523BH-60C	Exterior Window North Side	White Exterior Window Caulking
0523BH-60D	Exterior Window South Side	White Exterior Window Caulking
0523BH-60E	Attic Round Window	White Exterior Window Caulking
0523BH-60F	Basement Window	White Exterior Window Caulking
0523BH-61A	Exterior South Side Window Behind Brick	Exterior Brown Window Caulking
0523BH-61B	Exterior South Side Window Behind Brick	Exterior Brown Window Caulking

 Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM
Sheet 11 of 12Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268_A5E Date: June 02, 2015Site Address: Homestead Line, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-62A	Roof	Black Roof Base Sheet
0523BH-62B	Roof	Black Roof Base Sheet
0523BH-63A	Roof	Roof Cementitious Panel
0523BH-63B	Roof	Roof Cementitious Panel
*0523BH-64A	South Porch Roof Field	Black Field Roofing
0523BH-64B	North Porch Roof Field	Black Field Roofing
0523BH-65A	South Porch Roof Perimeter	Black Flashing/Tar
0523BH-65B	North Porch Roof Perimeter	Black Flashing/Tar
0523BH-66A	North Porch Ceiling	Tan Rough Plaster Coat
0523BH-66B	North Porch Ceiling	Tan Rough Plaster Coat
0523BH-66C	North Porch Ceiling	Tan Rough Plaster Coat
0523BH-67A	North Porch Ceiling	White Texture Paint
0523BH-67B	North Porch Ceiling	White Texture Paint
0523BH-67C	North Porch Ceiling	White Texture Paint
0523BH-68A	South Porch Ceiling	Grey Ceiling Panel

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 12 of 12

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268.A5E Date: June 02, 2015
Site Address: Homestead Line, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0523BH-68B	South Porch Ceiling	Grey Ceiling Panel
0523BH-69A	South Porch Floor	Gray Stone
0523BH-69B	North Porch Floor	Gray Stone
0523BH-70A	North Porch Floor	Gray Stone Grout
0523BH-70B	South Porch Floor	Gray Stone Grout
0523BH-71A	Exterior South Side 1st Floor Window	Black Damp-proofing Under Concrete Window Sill
0523BH-71B	Exterior South Side 1 st Floor Window	Black Damp-proofing Under Concrete Window Sill
0523BH-72A	Exterior South Side 1 st Floor Window	Concrete Window Sill
0523BH-72B	Exterior South Side 1 st Floor Window	Concrete Window Sill

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

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Samples Sent by: Sandra Guzman 56 Date: _____ Time: _____

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Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____





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161 John Roberts Road South Portland, ME 04106
 Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501005
 Customer ID: ENVI54
 Customer PO: 20141268.A5E
 Project ID:

Attn: Kevin McCarthy
 Fuss & O'Neill EnviroScience, LLC
 146 Hartford Road
 Manchester, CT 06040

Phone: (860) 646-2469
Fax: (888) 838-1160
Collected: 6/ 2/2015
Received: 6/08/2015
Analyzed: 6/09/2015

Proj: 20141268.A5E / FAIRFIELD HILLS - STAMFORD HALL BUILDING / HOMESTEAD LINE, NEWTOWN, CT

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-01A		Lab Sample ID: 621501005-0001				
Sample Description: STORAGE 2/GRAY LAYERED PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	75%	15%	10% Chrysotile	
Client Sample ID: 0523BH-01B		Lab Sample ID: 621501005-0002				
Sample Description: STORAGE 2/GRAY LAYERED PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0523BH-01C		Lab Sample ID: 621501005-0003				
Sample Description: ROOM 233/GRAY LAYERED PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0523BH-02A		Lab Sample ID: 621501005-0004				
Sample Description: ROOM 233/BLACK INSIDE PAPER BACKING ON LAYERED PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	80%	10%	10% Chrysotile	Result includes a small amount of inseparable attached material
Client Sample ID: 0523BH-02B		Lab Sample ID: 621501005-0005				
Sample Description: ROOM 236/BLACK INSIDE PAPER BACKING ON LAYERED PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0523BH-02C		Lab Sample ID: 621501005-0006				
Sample Description: STORAGE 2/BLACK INSIDE PAPER BACKING ON LAYERED PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0523BH-03A		Lab Sample ID: 621501005-0007				
Sample Description: STORAGE 1A/GRAY MUDDIED PIPE FITTING INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	60%	40% Chrysotile	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-03B		Lab Sample ID: 621501005-0008				
Sample Description: ROOM 116 B/GRAY MUDDERED PIPE FITTING INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0523BH-03C		Lab Sample ID: 621501005-0009				
Sample Description: ROOM 233/GRAY MUDDERED PIPE FITTING INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0523BH-04A		Lab Sample ID: 621501005-0010				
Sample Description: LOUNGE ROOM/GRAY CORRUGATED PAPER INSULATION BEHIND RADIATOR METAL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	40%	20%	40% Chrysotile	
Client Sample ID: 0523BH-04B		Lab Sample ID: 621501005-0011				
Sample Description: LOUNGE ROOM/GRAY CORRUGATED PAPER INSULATION BEHIND RADIATOR METAL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0523BH-04C		Lab Sample ID: 621501005-0012				
Sample Description: LOUNGE ROOM/GRAY CORRUGATED PAPER INSULATION BEHIND RADIATOR METAL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0523BH-05A		Lab Sample ID: 621501005-0013				
Sample Description: BASEMENT STORAGE 4/WHITE MAG PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	65%	15% Amosite 20% Chrysotile	
Client Sample ID: 0523BH-05B		Lab Sample ID: 621501005-0014				
Sample Description: BASEMENT STORAGE 4/WHITE MAG PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0523BH-05C		Lab Sample ID: 621501005-0015				
Sample Description: ROOM 131/WHITE MAG PIPE INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-06A **Lab Sample ID:** 621501005-0016
Sample Description: ROOM 236/TAN PIPE FABRIC WRAP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan	98%	2%	None Detected	

Client Sample ID: 0523BH-06B **Lab Sample ID:** 621501005-0017
Sample Description: ROOM 236/TAN PIPE FABRIC WRAP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan	98%	2%	None Detected	

Client Sample ID: 0523BH-06C **Lab Sample ID:** 621501005-0018
Sample Description: ROOM 236/TAN PIPE FABRIC WRAP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan	95%	5%	None Detected	

Client Sample ID: 0523BH-07A **Lab Sample ID:** 621501005-0019
Sample Description: DOOR TO BASEMENT AT ROOM 108/FIRE DOOR INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0523BH-07B **Lab Sample ID:** 621501005-0020
Sample Description: DOOR TO BASEMENT AT ROOM 108/FIRE DOOR INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0523BH-07C **Lab Sample ID:** 621501005-0021
Sample Description: DOOR TO BASEMENT AT ROOM 108/FIRE DOOR INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	95%	5%	None Detected	

Client Sample ID: 0523BH-08A **Lab Sample ID:** 621501005-0022
Sample Description: BASEMENT/BLACK PIPE GASKET

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	

Client Sample ID: 0523BH-08B **Lab Sample ID:** 621501005-0023
Sample Description: BASEMENT/BLACK PIPE GASKET

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-09A **Lab Sample ID:** 621501005-0024
Sample Description: BASEMENT STORAGE 2/TAN WIRE COVER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0523BH-09B **Lab Sample ID:** 621501005-0025
Sample Description: BASEMENT STORAGE 2/TAN WIRE COVER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0523BH-10A **Lab Sample ID:** 621501005-0026
Sample Description: BASEMENT STORAGE 2/BLACK WIRE COATING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	85%	15%	None Detected	

Client Sample ID: 0523BH-10B **Lab Sample ID:** 621501005-0027
Sample Description: BASEMENT STORAGE 2/BLACK WIRE COATING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	85%	15%	None Detected	

Client Sample ID: 0523BH-11A **Lab Sample ID:** 621501005-0028
Sample Description: BASEMENT STORAGE 3 ON CONCRETE DECK/DARK BROWN FELT PAPER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0523BH-11B **Lab Sample ID:** 621501005-0029
Sample Description: BASEMENT STORAGE 3 ON CONCRETE DECK/DARK BROWN FELT PAPER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	95%	5%	None Detected	

Client Sample ID: 0523BH-12A **Lab Sample ID:** 621501005-0030
Sample Description: ROOM 115 ON ELECTRICAL WIRES (METAL DRINKING FOUNT/WHITE PUTTY CAULKING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	98%	2% Chrysotile	

Client Sample ID: 0523BH-12B **Lab Sample ID:** 621501005-0031
Sample Description: CORRIDOR AT ROOM 215 ON ELECTRICAL WIRES ROOM 115/WHITE PUTTY CAULKING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-13A **Lab Sample ID:** 621501005-0032
Sample Description: LOUNGE ROOM/BEIGE WIRE COATING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Beige	20%	80%	None Detected	

Client Sample ID: 0523BH-13B **Lab Sample ID:** 621501005-0033
Sample Description: LOUNGE ROOM/BEIGE WIRE COATING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black/Beige	30%	70%	None Detected	

Client Sample ID: 0523BH-14A **Lab Sample ID:** 621501005-0034
Sample Description: ATTIC MECHANICAL ROOM/BLACK WIRING COATING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	30%	70%	None Detected	

Client Sample ID: 0523BH-14B **Lab Sample ID:** 621501005-0035
Sample Description: ATTIC MECHANICAL ROOM/BLACK WIRING COATING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	30%	70%	None Detected	

Client Sample ID: 0523BH-15A **Lab Sample ID:** 621501005-0036
Sample Description: NORTH WING CORRIDOR/BROWN 6X4 CEILING TILES

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0523BH-15B **Lab Sample ID:** 621501005-0037
Sample Description: CORRIDOR AT ROOM 204/BROWN 6X4 CEILING TILES

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	95%	5%	None Detected	

Client Sample ID: 0523BH-16A **Lab Sample ID:** 621501005-0038
Sample Description: CORRIDOR AT ROOM 204/BROWN CEILING TILES GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	0%	95%	5% Chrysotile	

Client Sample ID: 0523BH-16B **Lab Sample ID:** 621501005-0039
Sample Description: CORRIDOR AT ROOM 132/BROWN CEILING TILES GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-17A			Lab Sample ID: 621501005-0040			
Sample Description: BASEMENT STORAGE 2/BLACK ELECTRICAL SWITCH PANEL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-17B			Lab Sample ID: 621501005-0041			
Sample Description: BASEMENT STORAGE 2/BLACK ELECTRICAL SWITCH PANEL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-18A			Lab Sample ID: 621501005-0042			
Sample Description: BASEMENT STORAGE 2 ELECTRICAL ROOM 2/GRAY MOUNT PANEL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-18B			Lab Sample ID: 621501005-0043			
Sample Description: BASEMENT STORAGE 2 ELECTRICAL ROOM 2/GRAY MOUNT PANEL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-19A			Lab Sample ID: 621501005-0044			
Sample Description: BASEMENT STORAGE 2 ELECTRICAL ROOM 2/BEIGE ELECTRICAL SWITCH						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Beige	0%	100%	None Detected	
Client Sample ID: 0523BH-19B			Lab Sample ID: 621501005-0045			
Sample Description: BASEMENT STORAGE 2 ELECTRICAL ROOM 2/BEIGE ELECTRICAL SWITCH						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Beige	0%	100%	None Detected	
Client Sample ID: 0523BH-20A			Lab Sample ID: 621501005-0046			
Sample Description: WOMENS BATHROOM AT ROOM 228/DARK PINK CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Pink	0%	100%	None Detected	
Client Sample ID: 0523BH-20B			Lab Sample ID: 621501005-0047			
Sample Description: BATHROOM IN ROOM 116B/YELLOW CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Yellow	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-20C			Lab Sample ID: 621501005-0048			
Sample Description: BASEMENT KITCHEN/GRAY CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-20D			Lab Sample ID: 621501005-0049			
Sample Description: WOMENS BATHROOM AT ROOM 121/PINK CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Pink	0%	100%	None Detected	
Client Sample ID: 0523BH-21A			Lab Sample ID: 621501005-0050			
Sample Description: WOMENS BATHROOM AT ROOM 228/CERAMIC WALL TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
Client Sample ID: 0523BH-21B			Lab Sample ID: 621501005-0051			
Sample Description: BATHROOM IN ROOM 116B/CERAMIC WALL TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
Client Sample ID: 0523BH-21C			Lab Sample ID: 621501005-0052			
Sample Description: BASEMENT KITCHEN/CERAMIC WALL TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
Client Sample ID: 0523BH-21D			Lab Sample ID: 621501005-0053			
Sample Description: WOMENS BATHROOM AT ROOM 121/CERAMIC WALL TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
Client Sample ID: 0523BH-22A			Lab Sample ID: 621501005-0054			
Sample Description: WOMENS BATHROOM AT ROOM 228/CERAMIC WALL TILE UNDERLAYMENT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-22B			Lab Sample ID: 621501005-0055			
Sample Description: BATHROOM IN ROOM 116B/CERAMIC WALL TILE UNDERLAYMENT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-22C			Lab Sample ID: 621501005-0056			
Sample Description: BASEMENT KITCHEN/CERAMIC WALL TILE UNDERLAYMENT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-22D			Lab Sample ID: 621501005-0057			
Sample Description: WOMENS BATHROOM AT ROOM 121/CERAMIC WALL TILE UNDERLAYMENT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-23A			Lab Sample ID: 621501005-0058			
Sample Description: MENS BATHROOM AT ROOM 232/BEIGE SHOWER CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Beige	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Beige	0.0%	100%	None Detected	
Client Sample ID: 0523BH-23B			Lab Sample ID: 621501005-0059			
Sample Description: MENS BATHROOM AT ROOM 126/BEIGE SHOWER CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Beige	0%	100%	None Detected	
Client Sample ID: 0523BH-24A			Lab Sample ID: 621501005-0060			
Sample Description: MENS BATHROOM AT ROOM 232/WHITE SHOWER CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	White	0.0%	100%	None Detected	
Client Sample ID: 0523BH-24B			Lab Sample ID: 621501005-0061			
Sample Description: MENS BATHROOM AT ROOM 126/WHITE SHOWER CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
Client Sample ID: 0523BH-25A			Lab Sample ID: 621501005-0062			
Sample Description: WOMENS BATHROOM AT ROOM 211/BLACK GLUE ON CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	96%	4% Chrysotile	
Client Sample ID: 0523BH-25B			Lab Sample ID: 621501005-0063			
Sample Description: WOMENS BATHROOM AT ROOM 211/BLACK GLUE ON CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015					Stop Positive (Not Analyzed)



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-26A **Lab Sample ID:** 621501005-0064
Sample Description: ROOM 127 ON PIPE CHASE HATCH/GREY CEMENTITIOUS PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	82%	18% Chrysotile	

Client Sample ID: 0523BH-26B **Lab Sample ID:** 621501005-0065
Sample Description: ROOM 127 ON PIPE CHASE HATCH/GREY CEMENTITIOUS PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0523BH-27A **Lab Sample ID:** 621501005-0066
Sample Description: CORRIDOR AT ROOM 109/BROWN CHAIR RAIL WALL PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	95%	5%	None Detected	

Client Sample ID: 0523BH-27B **Lab Sample ID:** 621501005-0067
Sample Description: CORRIDOR AT ROOM 109/BROWN CHAIR RAIL WALL PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0523BH-28A **Lab Sample ID:** 621501005-0068
Sample Description: CORRIDOR AT ROOM 109/YELLOW GLUE ON CHAIR RAIL WALL PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Yellow	1.2%	98.8%	None Detected	

Client Sample ID: 0523BH-28B **Lab Sample ID:** 621501005-0069
Sample Description: CORRIDOR AT ROOM 109/YELLOW GLUE ON CHAIR RAIL WALL PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Yellow	0%	100%	None Detected	

Client Sample ID: 0523BH-29A **Lab Sample ID:** 621501005-0070
Sample Description: BASEMENT STORAGE 4/BROWN LAMINATE PANEL / GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Brown	0.0%	100%	None Detected	

Client Sample ID: 0523BH-29B **Lab Sample ID:** 621501005-0071
Sample Description: BASEMENT STORAGE 4/BROWN LAMINATE PANEL / GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-30A			Lab Sample ID: 621501005-0072			
Sample Description: BATHROOM AT ROOM 232/LIGHT GRAY GRANITE WINDOW SILL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-30B			Lab Sample ID: 621501005-0073			
Sample Description: BATHROOM AT ROOM 232/LIGHT GRAY GRANITE WINDOW SILL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-31A			Lab Sample ID: 621501005-0074			
Sample Description: ATTIC/BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Red	0%	100%	None Detected	
Client Sample ID: 0523BH-31B			Lab Sample ID: 621501005-0075			
Sample Description: BASEMENT/BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Red	0%	100%	None Detected	
Client Sample ID: 0523BH-31C			Lab Sample ID: 621501005-0076			
Sample Description: EXTERIOR/BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Red	0%	100%	None Detected	
Client Sample ID: 0523BH-32A			Lab Sample ID: 621501005-0077			
Sample Description: ATTIC/BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-32B			Lab Sample ID: 621501005-0078			
Sample Description: BASEMENT/BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-32C			Lab Sample ID: 621501005-0079			
Sample Description: EXTERIOR/BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-33A **Lab Sample ID:** 621501005-0080
Sample Description: SECOND FLOOR/TERRACOTTA BLOCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Red	0%	100%	None Detected	

Client Sample ID: 0523BH-33B **Lab Sample ID:** 621501005-0081
Sample Description: SECOND FLOOR/TERRACOTTA BLOCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Red	0%	100%	None Detected	

Client Sample ID: 0523BH-34A **Lab Sample ID:** 621501005-0082
Sample Description: SECOND FLOOR/TERRACOTTA BLOCK GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-34B **Lab Sample ID:** 621501005-0083
Sample Description: SECOND FLOOR/TERRACOTTA BLOCK GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-35A **Lab Sample ID:** 621501005-0084
Sample Description: WOMENS BATHROOM AT ROOM 211/BLACK TAR ON TERRACOTTA BLOCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0523BH-35B **Lab Sample ID:** 621501005-0085
Sample Description: ROOM 132 BEHIND PLASTER WALL/BLACK TAR ON TERRACOTTA BLOCK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	

Client Sample ID: 0523BH-36A **Lab Sample ID:** 621501005-0086
Sample Description: CORRIDOR AT ROOM 115/GREEN BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Green	30%	70%	None Detected	

Client Sample ID: 0523BH-36B **Lab Sample ID:** 621501005-0087
Sample Description: CORRIDOR AT ROOM 115/GREEN BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Green	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-37A **Lab Sample ID:** 621501005-0088
Sample Description: CORRIDOR AT ROOM 115/BROWN GLUE ON GREEN BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Brown	0.0%	100%	None Detected	

Client Sample ID: 0523BH-37B **Lab Sample ID:** 621501005-0089
Sample Description: CORRIDOR AT ROOM 115/BROWN GLUE ON GREEN BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	0%	100%	None Detected	

Client Sample ID: 0523BH-38A **Lab Sample ID:** 621501005-0090
Sample Description: LOUNGE ROOM ON BULLETING BOARD/DARK BROWN GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Brown	0%	97%	3% Chrysotile	

Client Sample ID: 0523BH-38B **Lab Sample ID:** 621501005-0091
Sample Description: LOUNGE ROOM ON BULLETING BOARD/DARK BROWN GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0523BH-39A **Lab Sample ID:** 621501005-0092
Sample Description: ROOM 237/LIGHT GRAY CONCRETE COVE BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-39B **Lab Sample ID:** 621501005-0093
Sample Description: ROOM 128/LIGHT GRAY CONCRETE COVE BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-40A **Lab Sample ID:** 621501005-0094
Sample Description: BASEMENT/DARK GRAY CONCRETE COVE BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray/White	0%	100%	None Detected	

Client Sample ID: 0523BH-40B **Lab Sample ID:** 621501005-0095
Sample Description: BASEMENT/DARK GRAY CONCRETE COVE BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray/White	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-41A			Lab Sample ID: 621501005-0096			
Sample Description: BASEMENT/CONCRETE COVE BASE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-41B			Lab Sample ID: 621501005-0097			
Sample Description: BASEMENT/CONCRETE COVE BASE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-42A			Lab Sample ID: 621501005-0098			
Sample Description: WOMENS BATHROOM AT ROOM 121 SLOP SINK/GRAY FLOOR CERAMIC TILES						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-42B			Lab Sample ID: 621501005-0099			
Sample Description: MENS BATHROOM AT ROOM 232/WHITE FLOOR CERAMIC TILES						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	
Client Sample ID: 0523BH-42C			Lab Sample ID: 621501005-0100			
Sample Description: WOMENS BATHROOM AT ROOM 228/PINK / GREEN CERAMIC FLOOR TILES						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Pink/Green	0%	100%	None Detected	
Client Sample ID: 0523BH-42D			Lab Sample ID: 621501005-0101			
Sample Description: ROOM 116B BATHROOM/YELLOW CERAMIC FLOOR TILES						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0523BH-43A			Lab Sample ID: 621501005-0102			
Sample Description: WOMENS BATHROOM AT ROOM 228/CERAMIC FLOOR TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray/White	0%	100%	None Detected	
Client Sample ID: 0523BH-43B			Lab Sample ID: 621501005-0103			
Sample Description: ROOM 116B BATHROOM/CERAMIC FLOOR TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray/White	0%	100%	None Detected	



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Project ID:

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Client Sample ID: 0523BH-43C			Lab Sample ID: 621501005-0104			
Sample Description: WOMENS BATHROOM AT ROOM 121/CERAMIC FLOOR TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-44A			Lab Sample ID: 621501005-0105			
Sample Description: WOMENS BATHROOM AT ROOM 121/CERAMIC FLOOR TILE THINSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-44B			Lab Sample ID: 621501005-0106			
Sample Description: MENS BATHROOM AT ROOM 126/CERAMIC FLOOR TILE THINSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-44C			Lab Sample ID: 621501005-0107			
Sample Description: ROOM 116B BATHROOM/CERAMIC FLOOR TILE THINSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-45A			Lab Sample ID: 621501005-0108			
Sample Description: BATHROOM AT ROOM 232 ON SHOWER FLOORS/WHITE / BLACK FLOOR CERAMIC TILES						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White/Black	0%	100%	None Detected	
Client Sample ID: 0523BH-45B			Lab Sample ID: 621501005-0109			
Sample Description: BATHROOM AT ROOM 232 ON SHOWER FLOORS/WHITE / BLACK FLOOR CERAMIC TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White/Black	0%	100%	None Detected	
Client Sample ID: 0523BH-46A			Lab Sample ID: 621501005-0110			
Sample Description: BATHROOM AT ROOM 232 ON SHOWER FLOORS/GRAY FLOOR CERAMIC TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-46B			Lab Sample ID: 621501005-0111			
Sample Description: BATHROOM AT ROOM 232 ON SHOWER FLOORS/GRAY FLOOR CERAMIC TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-47A		Lab Sample ID: 621501005-0112				
Sample Description: BATHROOM AT ROOM 232 ON SHOWER FLOORS/GRAY FLOOR CERAMIC TILE THINSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-47B		Lab Sample ID: 621501005-0113				
Sample Description: BATHROOM AT ROOM 232 ON SHOWER FLOORS/GRAY FLOOR CERAMIC TILE THINSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-48A		Lab Sample ID: 621501005-0114				
Sample Description: ATTIC/GRAY CONCRETE FLOOR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-48B		Lab Sample ID: 621501005-0115				
Sample Description: ATTIC/GRAY CONCRETE FLOOR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0523BH-49A		Lab Sample ID: 621501005-0116				
Sample Description: ROOM 237/BLACK FLOOR TILE MASTIC						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	96%	4% Chrysotile	
Client Sample ID: 0523BH-49B		Lab Sample ID: 621501005-0117				
Sample Description: ROOM 131/BLACK FLOOR TILE MASTIC						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0523BH-49C		Lab Sample ID: 621501005-0118				
Sample Description: BASEMENT/BLACK FLOOR TILE MASTIC						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0523BH-50A		Lab Sample ID: 621501005-0119				
Sample Description: TELEPHONE BOX AT ROOM 224 FLOOR/YELLOW/GRAY LINOLEUM FLOORING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black/Yellow	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Black/Yellow	3.6%	96.4%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-50B		Lab Sample ID: 621501005-0120				
Sample Description: TELEPHONE BOX AT ROOM 224 FLOOR/YELLOW/GRAY LINOLEUM FLOORING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray/Yellow	0%	100%	None Detected	
Client Sample ID: 0523BH-51A		Lab Sample ID: 621501005-0121				
Sample Description: TELEPHONE BOX AT ROOM 224 FLOOR/YELLOW LINOLEUM GLUE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Yellow	0.0%	100%	None Detected	
Client Sample ID: 0523BH-51B		Lab Sample ID: 621501005-0122				
Sample Description: TELEPHONE BOX AT ROOM 224 FLOOR/YELLOW LINOLEUM GLUE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0523BH-52A		Lab Sample ID: 621501005-0123				
Sample Description: LOUNGE ROOM/BLACK / GRAY COVE BASE SLATE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-52B		Lab Sample ID: 621501005-0124				
Sample Description: LOUNGE ROOM/BLACK / GRAY COVE BASE SLATE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-53A		Lab Sample ID: 621501005-0125				
Sample Description: NORTH BUILDING DOOR/GRAY THRESHOLD SLAB						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-53B		Lab Sample ID: 621501005-0126				
Sample Description: NORTH BUILDING DOOR/GRAY THRESHOLD SLAB						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
Client Sample ID: 0523BH-54A		Lab Sample ID: 621501005-0127				
Sample Description: NORTH BUILDING DOOR HALL/BLACK GRANITE FLOOR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	



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Client Sample ID: 0523BH-54B **Lab Sample ID:** 621501005-0128

Sample Description: NORTH BUILDING DOOR HALL/BLACK GRANITE FLOOR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	

Client Sample ID: 0523BH-55A **Lab Sample ID:** 621501005-0129

Sample Description: NORTH BUILDING DOOR HALL/WHITE GRANITE FLOOR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	

Client Sample ID: 0523BH-55B **Lab Sample ID:** 621501005-0130

Sample Description: NORTH BUILDING DOOR HALL/WHITE GRANITE FLOOR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	

Client Sample ID: 0523BH-56A **Lab Sample ID:** 621501005-0131

Sample Description: NORTH STAIRWELL/GRAY SLATE STEPS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	

Client Sample ID: 0523BH-56B **Lab Sample ID:** 621501005-0132

Sample Description: SOUTH STAIRWELL/GRAY SLATE STEPS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	

Client Sample ID: 0523BH-57A **Lab Sample ID:** 621501005-0133

Sample Description: BASEMENT STORAGE 1 DOOR/WHITE INTERIOR DOOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Tan/White	1.2%	98.8%	None Detected	

Client Sample ID: 0523BH-57B **Lab Sample ID:** 621501005-0134

Sample Description: BASEMENT STORAGE 2 DOOR/WHITE INTERIOR DOOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	

Client Sample ID: 0523BH-58A **Lab Sample ID:** 621501005-0135

Sample Description: EAST ARCH EXTERIOR DOOR/WHITE EXTERIOR DOOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Tan/White	0.0%	100%	None Detected	



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EMSL Order ID: 621501005
Customer ID: ENVI54
Customer PO: 20141268.A5E
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-58B **Lab Sample ID:** 621501005-0136
Sample Description: NORTH ARCH EXTERIOR DOOR/WHITE EXTERIOR DOOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0523BH-58C **Lab Sample ID:** 621501005-0137
Sample Description: BASEMENT EXTERIOR DOOR/WHITE EXTERIOR DOOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	White	0%	100%	None Detected	

Client Sample ID: 0523BH-59A **Lab Sample ID:** 621501005-0138
Sample Description: EXTERIOR WINDOW EAST SIDE/WHITE EXTERIOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Tan/White	0.0%	100%	None Detected	

Client Sample ID: 0523BH-59B **Lab Sample ID:** 621501005-0139
Sample Description: EXTERIOR WINDOW WEST SIDE/WHITE EXTERIOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0523BH-59C **Lab Sample ID:** 621501005-0140
Sample Description: EXTERIOR WINDOW NORTH SIDE/WHITE EXTERIOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0523BH-59D **Lab Sample ID:** 621501005-0141
Sample Description: EXTERIOR WINDOW SOUTH SIDE/WHITE EXTERIOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0523BH-59E **Lab Sample ID:** 621501005-0142
Sample Description: ATTIC ROUND WINDOW/WHITE EXTERIOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0523BH-59F **Lab Sample ID:** 621501005-0143
Sample Description: BASEMENT WINDOW/WHITE EXTERIOR WINDOW GLAZING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Tan/White	0%	100%	None Detected	



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EMSL Order ID: 621501005
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Customer PO: 20141268.A5E
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID:		0523BH-60A		Lab Sample ID:			621501005-0144	
Sample Description:		EXTERIOR WINDOW EAST SIDE/WHITE EXTERIOR WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015	Tan/White	0%	92%	8% Chrysotile			
Client Sample ID:		0523BH-60B		Lab Sample ID:			621501005-0145	
Sample Description:		EXTERIOR WINDOW WEST SIDE/WHITE EXTERIOR WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015				Stop Positive (Not Analyzed)			
Client Sample ID:		0523BH-60C		Lab Sample ID:			621501005-0146	
Sample Description:		EXTERIOR WINDOW NORTH SIDE/WHITE EXTERIOR WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015				Stop Positive (Not Analyzed)			
Client Sample ID:		0523BH-60D		Lab Sample ID:			621501005-0147	
Sample Description:		EXTERIOR WINDOW SOUTH SIDE/WHITE EXTERIOR WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015				Stop Positive (Not Analyzed)			
Client Sample ID:		0523BH-60E		Lab Sample ID:			621501005-0148	
Sample Description:		ATTIC ROUND WINDOW/WHITE EXTERIOR WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015				Stop Positive (Not Analyzed)			
Client Sample ID:		0523BH-60F		Lab Sample ID:			621501005-0149	
Sample Description:		BASEMENT WINDOW/WHITE EXTERIOR WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015				Stop Positive (Not Analyzed)			
Client Sample ID:		0523BH-61A		Lab Sample ID:			621501005-0150	
Sample Description:		EXTERIOR SOUTH SIDE WINDOW BEHIND BRICK/EXTERIOR BROWN WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015	Brown	0%	94%	6% Chrysotile			
Client Sample ID:		0523BH-61B		Lab Sample ID:			621501005-0151	
Sample Description:		EXTERIOR SOUTH SIDE WINDOW BEHIND BRICK/EXTERIOR BROWN WINDOW CAULKING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment		
			Fibrous	Non-Fibrous				
PLM	6/08/2015				Stop Positive (Not Analyzed)			



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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-62A

Lab Sample ID: 621501005-0152

Sample Description: ROOF/BLACK ROOF BASE SHEET

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	60%	40%	None Detected	
TEM Grav. Reduction	6/09/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0523BH-62B

Lab Sample ID: 621501005-0153

Sample Description: ROOF/BLACK ROOF BASE SHEET

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	70%	30%	None Detected	

Client Sample ID: 0523BH-63A

Lab Sample ID: 621501005-0154

Sample Description: ROOF/ROOF CEMENTITIOUS PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	80%	20% Chrysotile	

Client Sample ID: 0523BH-63B

Lab Sample ID: 621501005-0155

Sample Description: ROOF/ROOF CEMENTITIOUS PANEL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0523BH-64A

Lab Sample ID: 621501005-0156

Sample Description: SOUTH PORCH ROOF FIELD/BLACK FIELD ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	15%	85%	None Detected	
TEM Grav. Reduction	6/09/2015	Black	0.0%	96.7%	3.3% Chrysotile	

Client Sample ID: 0523BH-64B

Lab Sample ID: 621501005-0157

Sample Description: NORTH PORCH ROOF FIELD/BLACK FIELD ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	60%	40%	None Detected	

Client Sample ID: 0523BH-65A

Lab Sample ID: 621501005-0158

Sample Description: SOUTH PORCH ROOF PERIMETER/BLACK FLASHING/TAR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	95%	5% Chrysotile	

Client Sample ID: 0523BH-65B

Lab Sample ID: 621501005-0159

Sample Description: NORTH PORCH ROOF PERIMETER/BLACK FLASHING/TAR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015				Stop Positive (Not Analyzed)	



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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID:		0523BH-66A				Lab Sample ID:		621501005-0160	
Sample Description:		NORTH PORCH CEILING/TAN ROUGH PLASTER COAT							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015	Tan	0%	97%	3% Chrysotile				
Client Sample ID:		0523BH-66B				Lab Sample ID:		621501005-0161	
Sample Description:		NORTH PORCH CEILING/TAN ROUGH PLASTER COAT							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015				Stop Positive (Not Analyzed)				
Client Sample ID:		0523BH-66C				Lab Sample ID:		621501005-0162	
Sample Description:		NORTH PORCH CEILING/TAN ROUGH PLASTER COAT							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015				Stop Positive (Not Analyzed)				
Client Sample ID:		0523BH-67A				Lab Sample ID:		621501005-0163	
Sample Description:		NORTH PORCH CEILING/WHITE TEXTURE PAINT							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015	White	0%	97%	3% Chrysotile				
Client Sample ID:		0523BH-67B				Lab Sample ID:		621501005-0164	
Sample Description:		NORTH PORCH CEILING/WHITE TEXTURE PAINT							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015				Stop Positive (Not Analyzed)				
Client Sample ID:		0523BH-67C				Lab Sample ID:		621501005-0165	
Sample Description:		NORTH PORCH CEILING/WHITE TEXTURE PAINT							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015				Stop Positive (Not Analyzed)				
Client Sample ID:		0523BH-68A				Lab Sample ID:		621501005-0166	
Sample Description:		SOUTH PORCH CEILING/GREY CEILING PANEL							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015	Gray	90%	10%	None Detected				
Client Sample ID:		0523BH-68B				Lab Sample ID:		621501005-0167	
Sample Description:		SOUTH PORCH CEILING/GREY CEILING PANEL							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos		Comment		
			Fibrous	Non-Fibrous					
PLM	6/08/2015	Gray	98%	2%	None Detected				



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EMSL Order ID: 621501005
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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: 0523BH-69A **Lab Sample ID:** 621501005-0168
Sample Description: SOUTH PORCH CEILING/GRAY STONE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-69B **Lab Sample ID:** 621501005-0169
Sample Description: NORTH PORCH CEILING/GRAY STONE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-70A **Lab Sample ID:** 621501005-0170
Sample Description: NORTH PORCH CEILING/GRAY STONE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-70B **Lab Sample ID:** 621501005-0171
Sample Description: SOUTH PORCH CEILING/GRAY STONE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-71A **Lab Sample ID:** 621501005-0172
Sample Description: EXTERIOR SOUTH SIDE 1ST FLOOR WINDOW/BLACK DAMP-PROOFING UNDER CONCRETE WINDOW SILL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	6/09/2015	Black	0.0%	98.4%	1.6% Chrysotile	

Client Sample ID: 0523BH-71B **Lab Sample ID:** 621501005-0173
Sample Description: EXTERIOR SOUTH SIDE 1ST FLOOR WINDOW/BLACK DAMP-PROOFING UNDER CONCRETE WINDOW SILL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Black	0%	100%	None Detected	

Client Sample ID: 0523BH-72A **Lab Sample ID:** 621501005-0174
Sample Description: EXTERIOR SOUTH SIDE 1ST FLOOR WINDOW/CONCRETE WINDOW SILL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0523BH-72B **Lab Sample ID:** 621501005-0175
Sample Description: EXTERIOR SOUTH SIDE 1ST FLOOR WINDOW/CONCRETE WINDOW SILL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/08/2015	Gray	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Analyst(s):

Christina Walker	PLM (48)
Desiree Lunt	PLM (50)
Leslie McCluskeyEissing	PLM (48)
	TEM Grav. Reduction (14)

Reviewed and approved by:

Christina Walker, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. South Portland, ME NVLAP Lab Code 500094-0

Initial report from: 06/09/2015 10:44:48



BULK ASBESTOS ANALYSIS REPORT

CLIENT: Fuss & O'Neill EnviroScience, LLC
56 Quarry Road
Trumbull CT 06611

Lab Log #: 0087960
Project #: 20141268.A5E
Date Received: 06/08/2015
Date Analyzed: 06/15/2015

Site: Fairfield Hills, Stamford Hall Building, Homestead Lane, Newtown, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0523BH-01 *	Grey	Yes	No	--	---	0.25%	Chrysotile
SPS0523BH-02 *	Grey	Yes	No	--	---	0.47%	Chrysotile
SPS0523BH-03 *	Grey	Yes	No	--	---	0.37%	Chrysotile
SPS0523BH-04 *	Grey	Yes	No	--	---	0.43%	Chrysotile
SPS0523BH-05 *	Grey	Yes	No	--	---	0.75%	Chrysotile
SPS0523BH-06 *	Grey	Yes	No	--	---	0.67%	Chrysotile
SPS0523BH-07 *	Grey	Yes	No	--	---	0.24%	Chrysotile
SPS0523BH-08 *	Grey	Yes	No	--	---	0.99%	Chrysotile
SPS0523BH-09 *	Grey	Yes	No	--	---	0.94%	Chrysotile
SPS0523BH-10 *	Grey	Yes	No	--	---	0.69%	Chrysotile
SPS0523BH-11 *	Grey	Yes	No	--	---	0.38%	Chrysotile
SPS0523BH-12 *	Grey	Yes	No	--	---	0.71%	Chrysotile
SPS0523BH-13 *	Grey	Yes	No	--	---	0.96%	Chrysotile
SPS0523BH-14 *	Grey	Yes	No	--	---	0.50%	Chrysotile
SPS0523BH-15 *	Grey	Yes	No	--	---	0.92%	Chrysotile
SPS0523BH-16 *	Grey	Yes	No	--	---	0.75%	Chrysotile
SPS0523BH-17 *	Grey	Yes	No	--	---	0.74%	Chrysotile

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO# AL-15020

AHIA-LAP, LLC #100122 CT #PH-0426
VT #A1.014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME 1.A-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV# LT000411
NJ #CT004 CA #2907



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0523BH-18 *	Grey	Yes	No	--	---	0.77%	Chrysotile
SPS0523BH-19 *	Grey	Yes	No	--	---	0.50%	Chrysotile
SPS0523BH-20 *	Grey	Yes	No	--	---	0.60%	Chrysotile
SPS0523BH-21 *	Grey	Yes	No	--	---	1.00%	Chrysotile
SPS0523BH-22 *	Grey	Yes	No	--	---	0.76%	Chrysotile
SPS0523BH-23 *	Grey	Yes	No	--	---	1.00%	Chrysotile
SPS0523BH-24 *	Grey	Yes	No	--	---	0.99%	Chrysotile
SPS0523BH-25 *	Grey	Yes	No	--	---	0.79%	Chrysotile
SPS0523BH-26 *	Grey	Yes	No	--	---	1.45%	Chrysotile
SPS0523BH-27 *	Grey	Yes	No	--	---	0.49%	Chrysotile
SPS0523BH-28 *	Grey	Yes	No	--	---	0.84%	Chrysotile
SPS0523BH-29 *	Grey	Yes	No	--	---	1.20%	Chrysotile
SPS0523BH-30 *	Grey	Yes	No	--	---	0.62%	Chrysotile
SPS0523BH-31 *	Grey	Yes	No	--	---	0.96%	Chrysotile
SPS0523BH-32 *	Grey	Yes	No	--	---	1.23%	Chrysotile
SPS0523BH-33 *	Grey	Yes	No	--	---	0.98%	Chrysotile
SPS0523BH-34 *	Grey	Yes	No	--	---	0.76%	Chrysotile
SPS0523BH-35 *	Grey	Yes	No	--	---	0.46%	Chrysotile
SPS0523BH-36 *	Grey	Yes	No	--	---	0.68%	Chrysotile
SPS0523BH-37 *	Grey	Yes	No	--	---	0.73%	Chrysotile
SPS0523BH-38 *	Grey	Yes	No	--	---	0.45%	Chrysotile
SPS0523BH-39 *	Grey	Yes	No	--	---	0.24%	Chrysotile
SPS0523BH-40 *	Grey	Yes	No	--	---	0.24%	Chrysotile

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NVLAP Lab Code 101424-0	AIHA-LAP, LLC #100122	CT #PB-0426	ME LA-0075, LB-0071	MA #AA000052	NY #10980	WV# LT000411
RI #AAL-007	VT #AL014538	LA#05011	VA #3333 000283	AZ #A20944	HI #L-09-004	NJ #CT004
CO# AL-15020	PHIL# 461	PA#68-03387				CA #2907



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0523BH-41 *	Grey	Yes	No	--	---	0.61%	Chrysotile
SPS0523BH-42 *	Grey	Yes	No	--	---	0.82%	Chrysotile
SPS0523BH-43 *	Grey	Yes	No	--	---	0.45%	Chrysotile
SPS0523BH-44 *	Grey	Yes	No	--	---	0.21%	Chrysotile
SPS0523BH-45 *	Grey	Yes	No	--	---	0.24%	Chrysotile
SPS0523BH-46 *	Grey	Yes	No	--	---	0.27%	Chrysotile
SPS0523BH-47 *	Grey	Yes	No	--	---	0.39%	Chrysotile
SPS0523BH-48 *	Grey	Yes	No	--	---	0.34%	Chrysotile
SPS0523BH-49 *	White	Yes	No	--	---	ND	None
SPS0523BH-50 *	White	Yes	No	--	---	ND	None
SPS0523BH-51 *	White	Yes	No	--	---	ND	None
SPS0523BH-52 *	White	Yes	No	--	---	ND	None
SPS0523BH-53 *	White	Yes	No	--	---	ND	None
SPS0523BH-54 *	White	Yes	No	--	---	ND	None
SPS0523BH-55 *	White	Yes	No	--	---	ND	None
SPS0523BH-56 *	White	Yes	No	--	---	ND	None
SPS0523BH-57 *	White	Yes	No	--	---	ND	None
SPS0523BH-58 *	White	Yes	No	--	---	ND	None
SPS0523BH-59 *	White	Yes	No	--	---	ND	None
SPS0523BH-60 *	White	Yes	No	--	---	ND	None
SPS0523BH-61 *	White	Yes	No	--	---	ND	None
SPS0523BH-62 *	White	Yes	No	--	---	ND	None
SPS0523BH-63 *	White	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CON AL-15020

AIHA-LAP, LLC #100122 CT #PB-0426
VT #AL014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV# LT000411
NJ #CT004 CA #2907



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0523BH-64 *	White	Yes	No	--	---	ND	None
SPS0523BH-65 *	White	Yes	No	--	---	ND	None
SPS0523BH-66 *	White	Yes	No	--	---	ND	None
SPS0523BH-67 *	White	Yes	No	--	---	ND	None
SPS0523BH-68 *	White	Yes	No	--	---	ND	None
SPS0523BH-69 *	White	Yes	No	--	---	ND	None
SPS0523BH-70 *	White	Yes	No	--	---	ND	None
SPS0523BH-71 *	White	Yes	No	--	---	ND	None
SPS0523BH-72 *	White	Yes	No	--	---	ND	None
SPS0523BH-73 *	White	Yes	No	--	---	ND	None
SPS0523BH-74 *	White	Yes	No	--	---	ND	None
SPS0523BH-75 *	White	Yes	No	--	---	ND	None
SPS0523BH-76 *	White	Yes	No	--	---	ND	None
SPS0523BH-77 *	White	Yes	No	--	---	ND	None
SPS0523BH-78 *	White	Yes	No	--	---	ND	None
SPS0523BH-79 *	White	Yes	No	--	---	ND	None
SPS0523BH-80 *	White	Yes	No	--	---	ND	None
SPS0523BH-81 *	White	Yes	No	--	---	ND	None
SPS0523BH-82 *	White	Yes	No	--	---	ND	None
SPS0523BH-83 *	White	Yes	No	--	---	ND	None
SPS0523BH-84 *	White	Yes	No	--	---	ND	None
SPS0523BH-85 *	White	Yes	No	--	---	ND	None
SPS0523BH-86 *	White	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO #AL-15020

AHHA-LAP.LLC #100122 CT #PH-0426
VT #AL014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071
AZ #A20944

MA #AA000052
HI #L-09-004

NY #10980 WV#1.T000411
NJ #CT004 CA #2907



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0523BH-87 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-88 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-89 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-90 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-91 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-92 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-93 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-94 ♦	White	Yes	No	--	---	ND	None
SPS0523BH-95 ♦	White	Yes	No	--	---	ND	None

♦ All samples analyzed by EPA/600/R-93/116 with gravimetric reduction & 600 Point Count Method

Reporting limit- asbestos present at 0.17% for 600 Point Count Method

ND- No asbestos was detected by 600 Point Count Method

<0.17%- Trace concentrations of asbestos are concentrations that are less than or equal 1% including samples that contain zero asbestos points out of 600 nonempty points, but did contain asbestos positively identified by PLM.

Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

* Indicates a non-friable organically bound material. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2015.

TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2016. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson
Kathleen Williamson, Laboratory Manager

Reviewed by: Amanda Parkins
Amanda Parkins, Approved Signatory

Date Issued
06/15/2015

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO# AL-15020

AIHA-LAP.LLC #100122
VT #A1014538 LA#05011
PHIL# 461

CT #PH-0426
VA #3333 000283
PA#68-03387

ME LA-0075, LB-0071
AZ #A20944

MA #AA000052
HI #L-09-004

NJ #10980
NJ #CT004

WV# LT000411
CA #2907

Date	Analyst	Lab Log #	Sample ID	Crucible ID	Crucible Weight (g)	Crucible Weight w/ Sample (g)	Crucible Weight after Ashing (g)	Filter Weight (g)	Filter Weight + Acid Residue (g)	600 PC Results	Fibers Noted
6/9/2015	KW	87960	1	1	20.3852	21.9315	21.8925	0.975	5.5322	0.333	0.25
			2	2	20.7763	21.4894	21.4584	0.957	4.9289	0.667	0.47
			3	3	19.7389	20.6239	20.5953	0.968	4.9869	0.5	0.37
			4	4	23.9801	25.1391	25.0811	0.950	4.8909	0.667	0.43
			5	4A	19.3207	20.4816	20.4426	0.966	5.2352	1	0.75
			6	5	19.3948	21.292	21.2183	0.961	5.6844	1	0.67
			7	5A	17.4771	17.7636	17.7531	0.963	4.5286	0.333	0.24
			8	6	20.8145	21.9681	21.9321	0.969	4.4282	1.333	0.99
			9	6A	26.9515	28.0947	28.0541	0.964	4.1365	1.333	0.94
			10	7	20.2183	21.5621	21.5101	0.961	4.3667	1	0.69
			11	7A	27.3747	28.4658	28.435	0.972	4.3688	0.5	0.38
			12	8	20.7696	21.2892	21.2685	0.960	4.4338	1	0.71
			13	9	18.593	19.7062	19.6613	0.960	5.133	1.333	0.96
			14	10	18.5534	20.2322	20.1784	0.968	4.1379	0.667	0.50
			15	11	20.1658	21.0178	20.9767	0.952	4.4316	1.333	0.92
			16	12A	20.2497	21.1746	21.1452	0.968	4.3665	1	0.75
			17	13	20.6991	23.0817	22.964	0.951	4.1364	1	0.74
			18	14	20.4416	21.1058	21.0668	0.971	4.3258	1	0.77
			19	14A	19.7794	20.812	20.7762	0.965	4.3687	0.667	0.50
			20	14B	19.9697	22.6881	22.549	0.948	4.4337	0.833	0.60
			21	14C	20.1004	21.161	21.1231	0.964	4.3288	1.333	1.00
			22	16	21.0698	23.1277	23.05	0.962	4.3272	1	0.76
			23	17A	20.0427	20.9694	20.9394	0.968	4.141	1.333	1.00
			24	21	19.1965	21.8675	21.7482	0.955	4.429	1.333	0.99
			25	22	20.5702	22.5145	22.442	0.963	4.1348	1.167	0.79
			26	22B	19.8909	22.442	22.3247	0.954	4.3262	2	1.45
			27	23	20.0375	22.1826	22.0989	0.961	4.3634	0.667	0.49
			28	24	19.554	20.7881	20.7404	0.961	4.4252	1.167	0.84
			29	25	28.5981	30.8501	30.7525	0.957	4.1348	1.667	1.20
			30	28	21.6311	22.9642	22.9201	0.967	4.3244	0.833	0.62

Date	Analyst	Lab Log #	Sample ID	Crucible ID	Crucible Weight (g)	Crucible Weight w/ Sample (g)	Crucible Weight after Ashing (g)	Filter Weight (g)	Filter Weight + Acid Residue (g)	600 PC Results	Fibers Noted		
			31	29	18.8029	20.8247	20.7392	0.958	4.1326	5.59	0.721	1.333	0.96
			32	29A	20.0849	21.0012	20.9676	0.963	4.3634	4.9787	0.672	1.833	1.23
			33	34	22.1348	24.8888	24.652	0.914	4.3658	6.3955	0.737	1.333	0.98
			34	36	24.6061	25.8019	25.7456	0.953	4.4298	5.2067	0.650	1.167	0.76
			35	38	21.6781	23.4906	23.4187	0.960	4.1348	5.3739	0.684	0.667	0.46
			36	39	20.7485	21.3377	21.3126	0.957	4.3652	4.7634	0.676	1	0.68
			37	41	19.7352	21.1715	21.1125	0.959	4.1364	5.1909	0.734	1	0.73
			38	43	24.9086	27.3513	27.2484	0.958	4.327	5.9873	0.680	0.667	0.45
			39	44	26.9089	27.9315	27.8918	0.961	4.1363	4.8626	0.710	0.333	0.24
			40	46	19.5542	20.2439	20.2193	0.964	4.3653	4.8563	0.712	0.333	0.24
			41	50	17.5743	18.575	18.537	0.962	4.4288	5.1647	0.735	0.833	0.61
			42	52	17.626	21.2239	21.0602	0.955	4.326	7.2718	0.819	1	0.82
			43	53	17.5057	18.8627	18.7983	0.953	4.4281	5.3488	0.678	0.667	0.45
			44	56	17.4483	17.5886	17.5841	0.961	4.3267	4.4138	0.616	0.333	0.21
			45	57	18.1521	19.5716	19.4778	0.934	4.3272	4.9968	0.472	0.5	0.24
			46	58	17.3663	19.7697	19.6608	0.955	4.4303	6.4128	0.825	0.333	0.27
			47	60	17.0603	19.7149	19.6219	0.965	4.3243	6.3837	0.776	0.5	0.39
			48	61	20.3936	21.9444	21.8708	0.953	4.4253	5.467	0.672	0.5	0.34
			49	66	19.0169	19.2649	19.248	0.932	4.3667	4.38	0.054	0	0.00
			50	68	27.2579	27.7503	27.7158	0.930	4.1369	4.218	0.165	0	0.00
			51	69	17.2878	17.4747	17.4569	0.905	4.1341	4.1646	0.163	0	0.00
			52	70	26.5164	26.7743	26.7557	0.928	4.3657	4.454	0.342	0	0.00
			53	71	22.1259	22.2376	22.2264	0.900	4.428	4.4711	0.386	0	0.00
			54	72	25.5428	25.922	25.8976	0.936	4.3271	4.3455	0.049	0	0.00
			55	73	18.9524	19.3023	19.2703	0.909	4.425	4.4697	0.128	0	0.00
			56	74	18.631	18.8118	18.7965	0.915	4.3245	4.3713	0.259	0	0.00
			57	78	29.5477	30.1078	30.0517	0.900	4.1359	4.2875	0.271	0	0.00
			58	78A	21.2002	21.8624	21.8093	0.920	4.3636	4.4794	0.175	0	0.00
			59	80	26.7074	27.0625	27.0292	0.906	4.1332	4.2067	0.207	0	0.00
			60	80A	17.9059	18.3486	18.3091	0.911	4.3266	4.435	0.245	0	0.00
			61	81	19.7749	20.1084	20.0848	0.929	4.1359	4.2126	0.230	0	0.00

Date	Analyst	Lab #	Sample ID	Crucible ID	Crucible Weight (g)	Crucible Weight w/ Sample (g)	Crucible Weight after Ashing (g)	Filter Weight (g)	Filter Weight + Acid Residue (g)	600 PC Results	Fibers Noted
			62	82	26.4418	27.0162	26.9551	4.3663	4.6084	0	0.00
			63	83	20.427	20.6253	20.6067	4.4306	4.5381	0	0.00
			64	84	17.3552	17.6473	17.6164	4.4282	4.5269	0	0.00
			65	95	29.4848	29.754	29.7308	4.3645	4.4189	0	0.00
			66	96	25.6862	25.9724	25.9608	4.3278	4.3404	0	0.00
			67	98	28.0613	28.1761	28.166	4.1371	4.1573	0	0.00
			68	101	23.4654	24.1479	24.0969	4.3637	4.5252	0	0.00
			69	102	17.9168	18.48	18.4321	4.4264	4.5102	0	0.00
			70	103	17.7089	18.2052	18.1621	4.3246	4.4539	0	0.00
			71	104	22.005	22.2425	22.223	4.3222	4.335	0	0.00
			72	110	18.2552	18.7174	18.6906	4.1317	4.2572	0	0.00
			73	116	19.7452	20.4093	20.3662	4.3664	4.4771	0	0.00
			74	117	18.3098	18.7941	18.7564	4.4292	4.5402	0	0.00
			75	123	19.2179	19.7099	19.6717	4.327	4.4434	0	0.00
			76	156	26.2326	27.1693	27.1061	4.365	4.8187	0	0.00
			77	178	19.414	19.6829	19.6804	4.2839	4.372	0	0.00
			78	188	19.7066	20.3015	20.2521	4.4	4.5877	0	0.00
			79	190	25.2813	26.0995	26.0376	4.3626	4.6241	0	0.00
			80	191	20.5559	21.2059	21.15	4.2812	4.4603	0	0.00
			81	230	22.3228	23.1613	23.084	4.2596	4.4695	0	0.00
			82	245	18.9192	19.8593	19.7811	4.3977	4.6519	0	0.00
			83	255	23.1574	24.0052	23.9319	4.258	4.5913	0	0.00
			84	281	18.8066	19.5876	19.5141	4.2832	4.4892	0	0.00
			85	281A	25.7716	26.7035	26.6107	4.2805	4.4299	0	0.00
			86	296	20.0313	20.3437	20.3182	4.4009	4.4502	0	0.00
			87	307	20.0663	20.5895	20.5513	4.3652	4.3968	0	0.00
			88	313	18.0726	18.6803	18.628	4.2833	4.3762	0	0.00
			89	325	19.9918	20.2639	20.2408	4.4025	4.447	0	0.00
			90	330	19.6147	20.6054	20.5287	4.261	4.3738	0	0.00
			91	334	20.4622	20.8925	20.8606	4.2824	4.3133	0	0.00
			92	336	20.09	20.5665	20.5273	4.363	4.389	0	0.00

PLM Gravimetric Analysis Sample No.

Date	Analyst	Lab Log #	Sample ID	Crucible ID	Crucible Weight (g)	Crucible Weight w/ Sample (g)	Crucible Weight after Ashing (g)	Filter Weight (g)	Filter Weight + Acid Residue (g)	600 PC Results	Fibers Noted
			93	350	19.1229	19.5671	19.5335	0.924	4.3082	0.055	0.00
			94	351	18.2266	18.6511	18.621	0.929	4.3969	0.075	0.00
			95	380	24.2078	24.7776	24.73	0.916	4.4429	0.074	0.00

[REDACTED]

[REDACTED]

[REDACTED]



FUSS & O'NEILL
EnviroScience, LLC

56 Quarry Road, Trumbull, CT 066611

45 87960
Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

www.fando.com

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 6

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268.A5E Date: June 01, 2015
Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
SPS0523BH-01	2nd Floor Room 237	Gray Base Coat Wall Plaster
SPS0523BH-02	2nd Floor Room 236	Gray Base Coat Ceiling Plaster
SPS0523BH-03	2nd Floor Room 231	Gray Base Coat Wall Plaster
SPS0523BH-04	2nd Floor North Stairwell	Gray Base Coat Ceiling Plaster
SPS0523BH-05	2nd Floor Room 228	Gray Base Coat Wall Plaster
SPS0523BH-06	2nd Floor Bathroom at Room 228	Gray Base Coat Ceiling Plaster
SPS0523BH-07	2nd Floor Room 226	Gray Base Coat Ceiling Plaster
SPS0523BH-08	2nd Floor Room 223	Gray Base Coat Wall Plaster
SPS0523BH-09	2nd Floor Room 220	Gray Base Coat Wall Plaster
SPS0523BH-10	2nd Floor Room 217	Gray Base Coat Ceiling Plaster
SPS0523BH-11	2nd Floor Room 213	Gray Base Coat Wall Plaster
SPS0523BH-12	2nd Floor Room 211	Gray Base Coat Ceiling Plaster
SPS0523BH-13	2nd Floor Room 209	Gray Base Coat Ceiling Plaster
SPS0523BH-14	2nd Floor Room 208	Gray Base Coat Wall Plaster
SPS0523BH-15	2nd Floor Room South Stairwell	Gray Base Coat Ceiling Plaster
SPS0523BH-16	2nd Floor Room 206	Gray Base Coat Wall Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160

Do Not Mail Hard Copy Report Total # of Samples: _____

Special Instructions: Please use PLM EPA 600/R-93-116 Method using gravimetric reduction, acid wash, and 600 point count for Fairfield Hills plaster samples. Do Not Stop at First Positive.

Samples collected by: Bob Hobbins BH Date: May 21-May 23, 2015 Time: _____

Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: [Signature] Date: 6/8/15 Time: 0900

Shipped To: ☒ TRC State CT ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



FUSS & O'NEILL
EnviroScience, LLC

56 Quarry Road, Trumbull, CT 06661

87960
Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

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Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of 6

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268 ASE Date: June 01, 2015

Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
SPS0523BH-17	2nd Floor Room 204	Gray Base Coat Ceiling Plaster
SPS0523BH-18	2nd Floor Room 201	Gray Base Coat Wall Plaster
SPS0523BH-19	1 st Floor Room 132	Gray Base Coat Ceiling Plaster
SPS0523BH-20	1 st Floor Room 132	Gray Base Coat Wall Plaster
SPS0523BH-21	1 st Floor Room 126	Gray Base Coat Wall Plaster
SPS0523BH-22	1 st Floor North Wing Corridor	Gray Base Coat Wall Plaster
SPS0523BH-23	1 st Floor North Stairwell	Gray Base Coat Wall Plaster
SPS0523BH-24	1 st Floor Room 125	Gray Base Coat Ceiling Plaster
SPS0523BH-25	1 st Floor Room 124	Gray Base Coat Wall Plaster
SPS0523BH-26	1 st Floor Room 121	Gray Base Coat Ceiling Plaster
SPS0523BH-27	1 st Floor Room 120	Gray Base Coat Wall Plaster
SPS0523BH-28	1 st Floor Lounge Room	Gray Base Coat Wall Plaster
SPS0523BH-29	1 st Floor Room 118B	Gray Base Coat Ceiling Plaster
SPS0523BH-30	1 st Floor Room 115	Gray Base Coat Wall Plaster
SPS0523BH-31	1 st Floor Room 113	Gray Base Coat Ceiling Plaster
SPS0523BH-32	1 st Floor Room 111	Gray Base Coat Ceiling Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160.

Do Not Mail Hard Copy Report. Total # of Samples: _____

Special Instructions: Please use PLM EPA 600/R-93-116 Method using gravimetric reduction, acid wash, and 600 point count for Fairfield Hills plaster samples. Do Not Stop at First Positive.

Samples collected by: Bob Hobbins BH Date: May 21-May 23, 2015 Time: _____

Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: [Signature] Date: 6/8/15 Time: 1900

Shipped To: ☒ TRC State CT ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



FUSS & O'NEILL
EnviroScience, LLC

56 Quarry Road, Trumbull, CT 066611

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 3 of 6

Project Name: Fairfield Hills Stamford Hall Building Project No. 20141268.A5E Date: June 01, 2015

Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
SPS0523BH-33	1 st Floor South Stairwell	Gray Base Coat Wall Plaster
SPS0523BH-34	1 st Floor Room 108	Gray Base Coat Wall Plaster
SPS0523BH-35	1 st Floor Room 107	Gray Base Coat Wall Plaster
SPS0523BH-36	1 st Floor Room 105	Gray Base Coat Ceiling Plaster
SPS0523BH-37	1 st Floor Room 103	Gray Base Coat Wall Plaster
SPS0523BH-38	Basement Closet at Women's Bathroom	Gray Base Coat Wall Plaster
SPS0523BH-39	Basement North Corridor	Gray Base Coat Ceiling Plaster
SPS0523BH-40	Basement North Corridor	Gray Base Coat Wall Plaster
SPS0523BH-41	Basement Club Room	Gray Base Coat Wall Plaster
SPS0523BH-42	Basement Club Room	Gray Base Coat Wall Plaster
SPS0523BH-43	Basement Club Room	Gray Base Coat Ceiling Plaster
SPS0523BH-44	Basement Club Room	Gray Base Coat Wall Plaster
SPS0523BH-45	Basement Kitchen	Gray Base Coat Wall Plaster
SPS0523BH-46	Basement South Corridor	Gray Base Coat Wall Plaster
SPS0523BH-47	Basement Men's Bathroom at South Corridor	Gray Base Coat Wall Plaster
SPS0523BH-48	Basement Closet Under South Stair Well	Gray Base Coat Ceiling Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160

Do Not Mail Hard Copy Report. Total # of Samples: _____

Special Instructions: Please use PLM EPA 600/R-93-116 Method using gravimetric reduction, acid wash, and 600 point count for Fairfield Hills plaster samples. Do Not Stop at First Positive.

Samples collected by: Bob Hobbins BH Date: May 21-May 23, 2015 Time: _____

Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: [Signature] Date: 6/9/15 Time: 0900

Shipped To: ☒ TRC State CT ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



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EnviroScience, LLC

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87960
Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

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Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 4 of 6

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268, A5E Date: June 01, 2015
Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
SPS0523BH-49	2nd Floor Room 237	White Top Coat Wall Plaster
SPS0523BH-50	2nd Floor Room 236	White Top Coat Ceiling Plaster
SPS0523BH-51	2nd Floor Room 231	White Top Coat Wall Plaster
SPS0523BH-52	2nd Floor North Stairwell	White Top Coat Ceiling Plaster
SPS0523BH-53	2nd Floor Room 228	White Top Coat Wall Plaster
SPS0523BH-54	2nd Floor Bathroom at Room 228	White Top Coat Ceiling Plaster
SPS0523BH-55	2nd Floor Room 226	White Top Coat Ceiling Plaster
SPS0523BH-56	2nd Floor Room 223	White Top Coat Wall Plaster
SPS0523BH-57	2nd Floor Room 220	White Top Coat Wall Plaster
SPS0523BH-58	2nd Floor Room 217	White Top Coat Ceiling Plaster
SPS0523BH-59	2nd Floor Room 213	White Top Coat Wall Plaster
SPS0523BH-60	2nd Floor Room 211	White Top Coat Ceiling Plaster
SPS0523BH-61	2nd Floor Room 209	White Top Coat Ceiling Plaster
SPS0523BH-62	2nd Floor Room 208	White Top Coat Wall Plaster
SPS0523BH-63	2nd Floor Room South Stairwell	White Top Coat Ceiling Plaster
SPS0523BH-64	2nd Floor Room 206	White Top Coat Wall Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160

Do Not Mail Hard Copy Report Total # of Samples: _____

Special Instructions: Please use PLM EPA 600/R-93-116 Method using gravimetric reduction, acid wash, and 600 point count for Fairfield Hills plaster samples. Do Not Stop at First Positive.

Samples collected by: Bob Hobbins BH Date: May 21-May 23, 2015 Time: _____

Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: [Signature] Date: 6/8/15 Time: 0900

Shipped To: ☒ TRC State CT ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



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Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

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Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 5 of 6

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268 ASE Date: June 01, 2015
Site Address: Homestead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
SPS0523BH-65	2nd Floor Room 201	White Top Coat Wall Plaster
SPS0523BH-66	1st Floor Room 132	White Top Coat Ceiling Plaster
SPS0523BH-67	1st Floor Room 132	White Top Coat Wall Plaster
SPS0523BH-68	1st Floor Room 126	White Top Coat Wall Plaster
SPS0523BH-69	1st Floor North Wing Corridor	White Top Coat Wall Plaster
SPS0523BH-70	1st Floor North Stairwell	White Top Coat Wall Plaster
SPS0523BH-71	1st Floor Room 125	White Top Coat Ceiling Plaster
SPS0523BH-72	1st Floor Room 124	White Top Coat Wall Plaster
SPS0523BH-73	1st Floor Room 121	White Top Coat Ceiling Plaster
SPS0523BH-74	1st Floor Room 120	White Top Coat Wall Plaster
SPS0523BH-75	1st Floor Lounge Room	White Top Coat Wall Plaster
SPS0523BH-76	1st Floor Room 118B	White Top Coat Ceiling Plaster
SPS0523BH-77	1st Floor Room 115	White Top Coat Wall Plaster
SPS0523BH-78	1st Floor Room 113	White Top Coat Ceiling Plaster
SPS0523BH-79	1st Floor Room 111	White Top Coat Ceiling Plaster
SPS0523BH-80	1st Floor South Stairwell	White Top Coat Wall Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160

Do Not Mail Hard Copy Report. Total # of Samples: _____

Special Instructions: Please use PLM EPA 600/R-93-116 Method using gravimetric reduction, acid wash, and 600 point count for Fairfield Hills plaster samples. Do Not Stop at First Positive.

Samples collected by: Bob Hobbins BH Date: May 21-May 23, 2015 Time: _____

Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: [Signature] Date: 6/1/15 Time: 0900

Shipped To: ☒ TRC State CT ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



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56 Quarry Road, Trumbull, CT 066611

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 6 of 6

Project Name: Fairfield Hills-Stamford Hall Building Project No. 20141268_A5E Date: June 01, 2015
Site Address: Hornstead Lane, Newtown, CT Building Name: Stamford Hall Building Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
SPS0523BH-81	1 st Floor Room 108	White Top Coat Wall Plaster
SPS0523BH-82	1 st Floor Room 107	White Top Coat Wall Plaster
SPS0523BH-83	1 st Floor Room 105	White Top Coat Ceiling Plaster
SPS0523BH-84	1 st Floor Room 103	White Top Coat Wall Plaster
SPS0523BH-85	Basement Closet at Women's Bathroom	White Top Coat Wall Plaster
SPS0523BH-86	Basement North Corridor	White Top Coat Ceiling Plaster
SPS0523BH-87	Basement North Corridor	White Top Coat Wall Plaster
SPS0523BH-88	Basement Club Room	White Top Coat Wall Plaster
SPS0523BH-89	Basement Club Room	White Top Coat Wall Plaster
SPS0523BH-90	Basement Club Room	White Top Coat Ceiling Plaster
SPS0523BH-91	Basement Club Room	White Top Coat Wall Plaster
SPS0523BH-92	Basement Kitchen	White Top Coat Wall Plaster
SPS0523BH-93	Basement South Corridor	White Top Coat Wall Plaster
SPS0523BH-94	Basement Men's Bathroom at South Corridor	White Top Coat Wall Plaster
SPS0523BH-95	Basement Closet Under South Stair Well	White Top Coat Ceiling Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160.

Do Not Mail Hard Copy Report. Total # of Samples: _____

Special Instructions: Please use PLM EPA 600/R-93-116 Method using gravimetric reduction, acid wash, and 600 point count for Fairfield Hills plaster samples. Do Not Stop at First Positive.

Samples collected by: Bob Hobbins TH Date: May 21-May 23, 2015 Time: _____

Samples Sent by: Sandra Guzman Date: _____ Time: _____

Samples Received by: [Signature] Date: 6/8/15 Time: 5:00

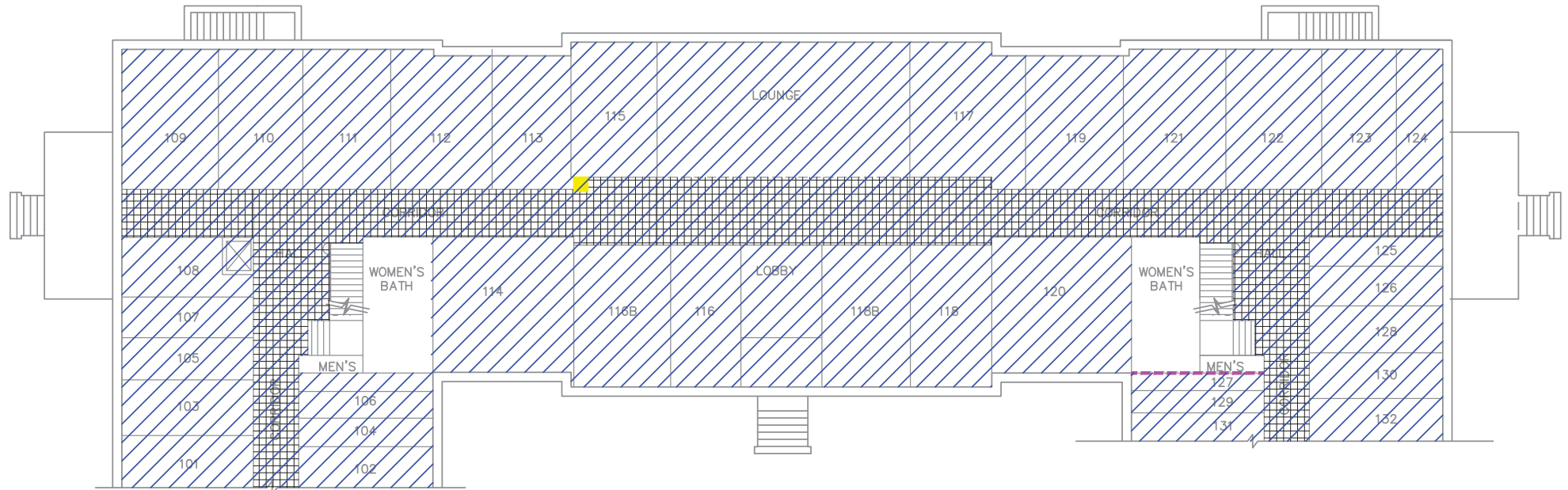
Shipped To: ☒ TRC State CT ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____

Appendix D

Asbestos-Containing Materials Locations Diagrams

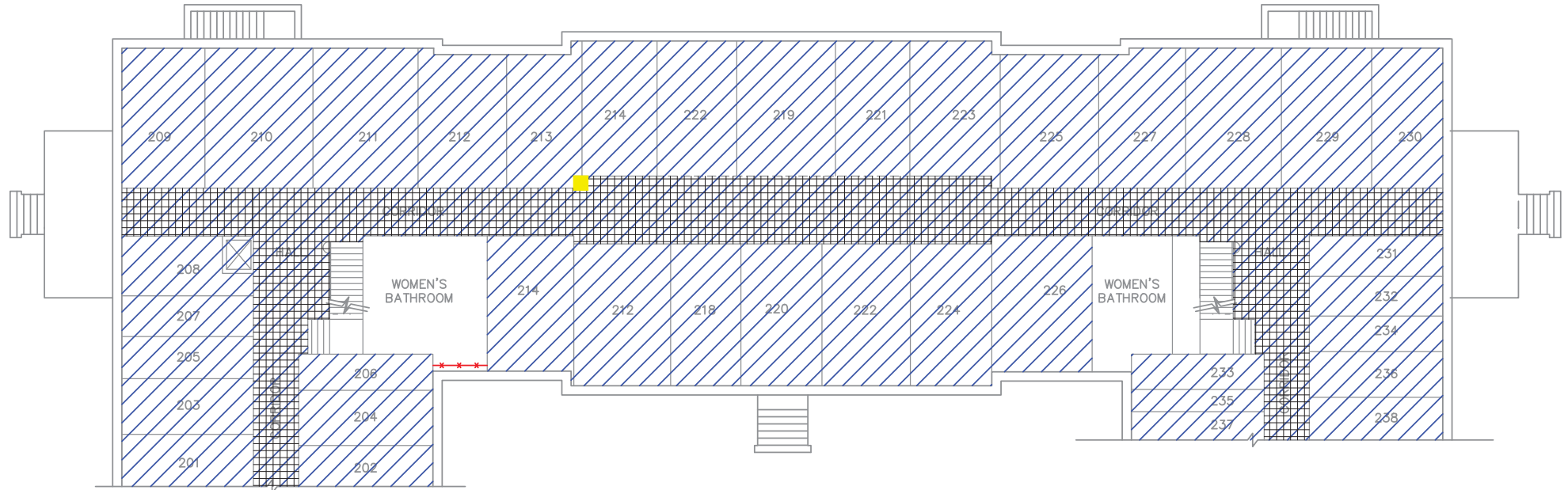
File Path: J:\DWG\2014\1268\ASBESTOS\Environmental\Hazard\2014\1268\BASE_HAZD1_STAMFORD.dwg Layout FIG. 1.1 Plotted: Thu, November 03, 2016 - 5:06 PM User: stons
MS VIEW: Plotter: DWG TO PDF PC3 CTB File: FO STB



1 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
FIRST FLOOR – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

- FLOOR TILE & BLACK MASTIC
- BROWN GLUE DAUBS ON RECTANGULAR (6"x4") CEILING TILES
- WHITE PUTTY CAULKING ON ELECTRICAL WIRING INSIDE METAL DRINKING FOUNTAIN
- CEMENTITIOUS WALL HATCH PANELING



2 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
SECOND FLOOR – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

- FLOOR TILE & BLACK MASTIC
- BROWN GLUE DAUBS ON RECTANGULAR (6"x4") CEILING TILES
- WHITE PUTTY CAULKING ON ELECTRICAL WIRING INSIDE METAL DRINKING FOUNTAIN
- BLACK GLUE ON CERAMIC WALL TILE

NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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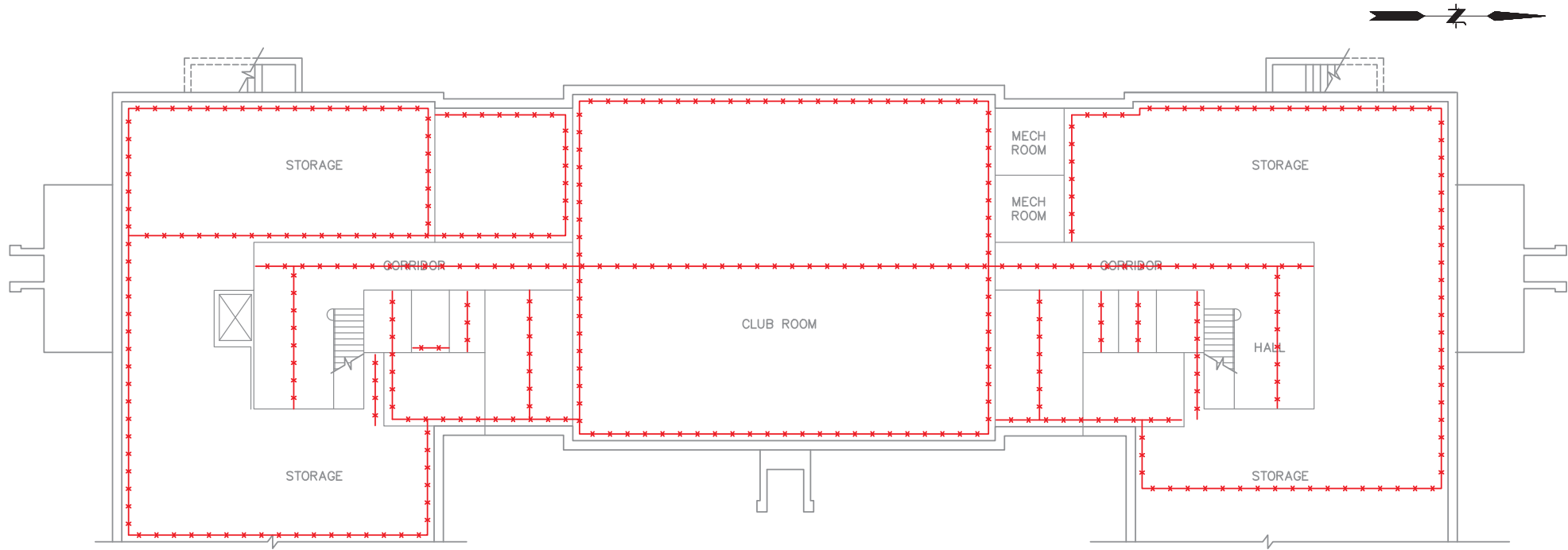
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TOWN OF NEWTOWN
ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
FAIRFIELD HILLS - STAMFORD HOUSE
NEWTOWN CONNECTICUT

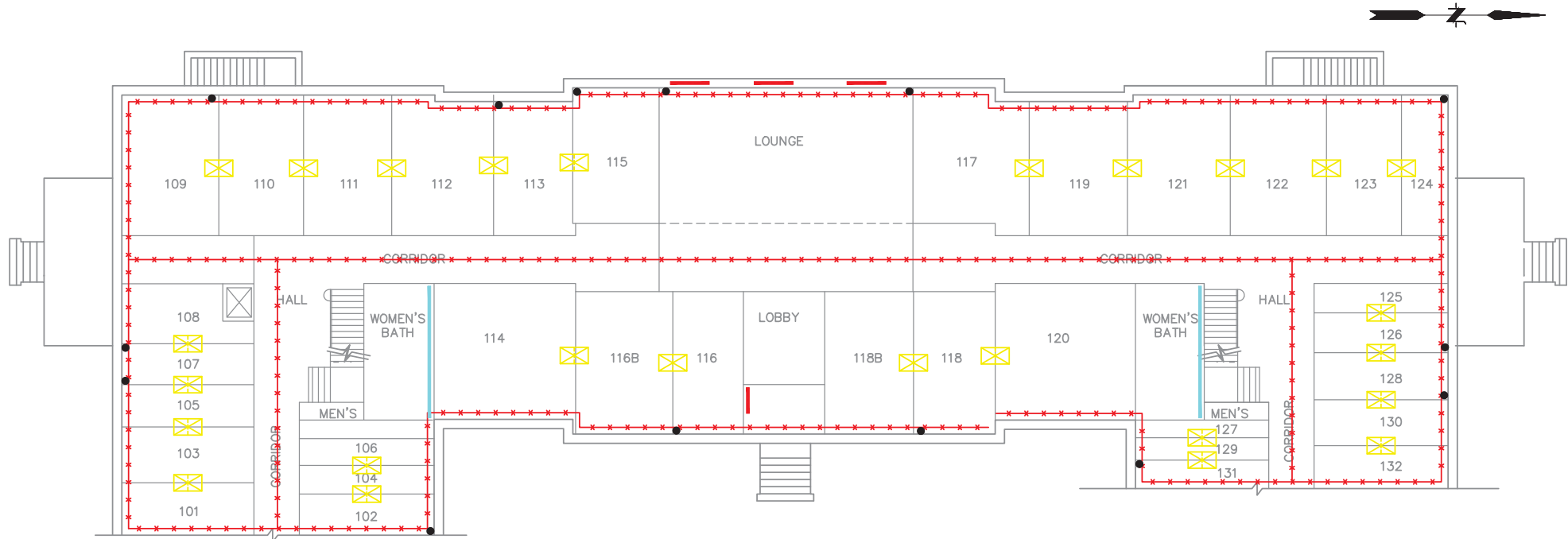
PROJ. No.: 20141268.ASE
DATE: JULY 2015
FIG. 1.1



1 ASBESTOS CONTAINING THERMAL SYSTEM INSULATION MATERIALS LOCATION
BASEMENT – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

— x — x — x — x — PIPE INSULATION AND MUDDED PIPE FITTING INSULATION



2 ASBESTOS CONTAINING THERMAL SYSTEM INSULATION MATERIALS LOCATION
FIRST FLOOR – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

— x — x — x — x — PIPE INSULATION AND MUDDED PIPE FITTING INSULATION

— GRAY RADIATOR PAPER AND INSULATION

— WALL PIPE CHASE

● PIPE CHASE VERTICAL

⊠ SINK WITH PIPE INSULATION AND MUDDED PIPE FITTING INSULATION WITHIN WALL

NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

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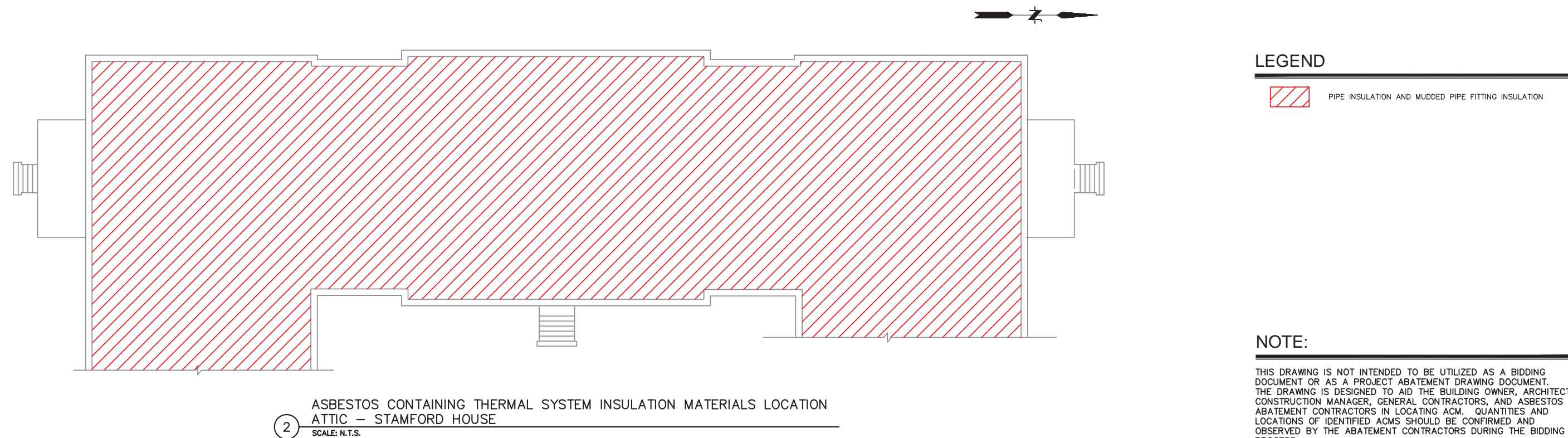
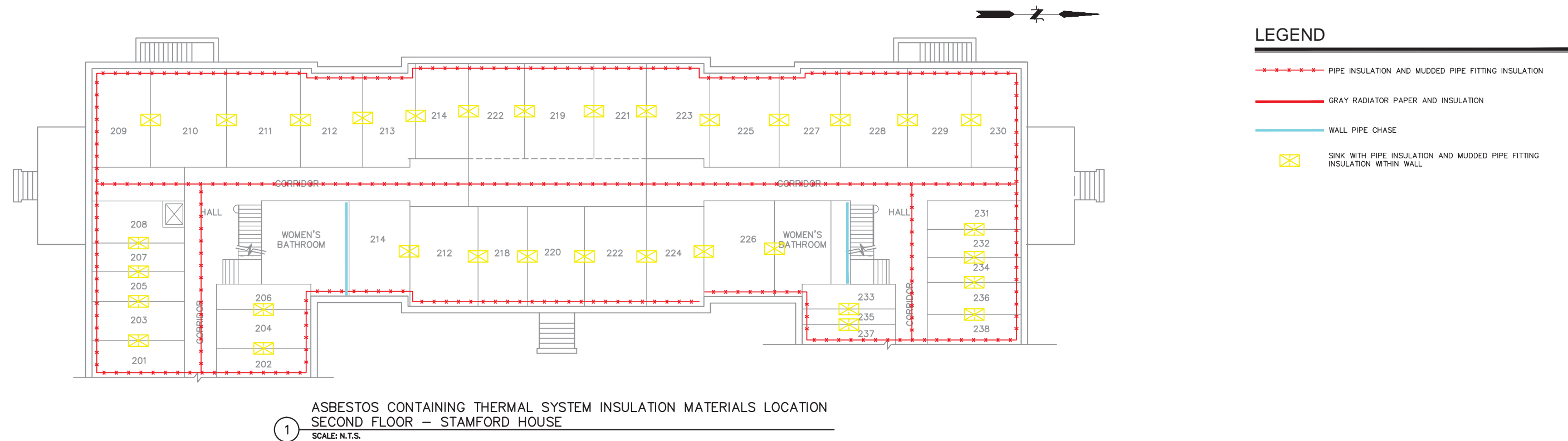
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TOWN OF NEWTOWN
ASBESTOS CONTAINING THERMAL SYSTEM
INSULATION MATERIALS LOCATION
FAIRFIELD HILLS - STAMFORD HOUSE
NEWTOWN CONNECTICUT

PROJ. No.: 20141268.ASE
DATE: JULY 2015
FIG.2.1




NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

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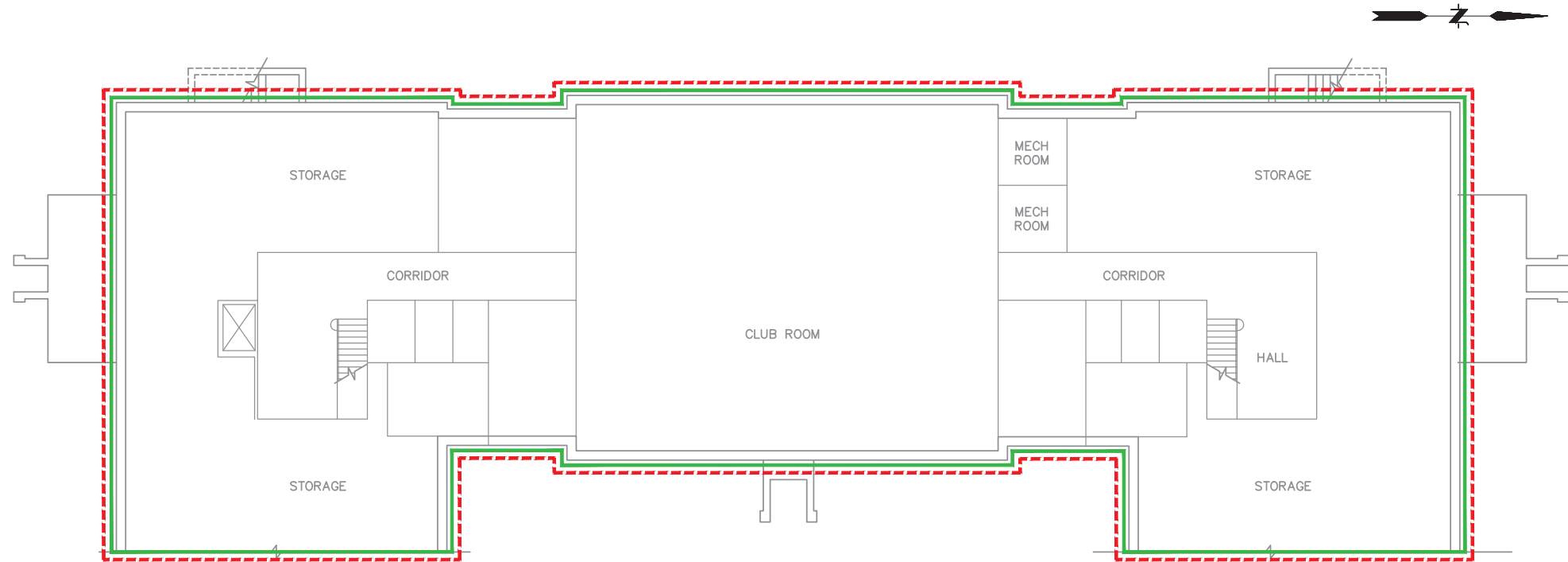


TOWN OF NEWTOWN
ASBESTOS CONTAINING THERMAL SYSTEM
INSULATION MATERIALS LOCATION
FAIRFIELD HILLS - STAMFORD HOUSE

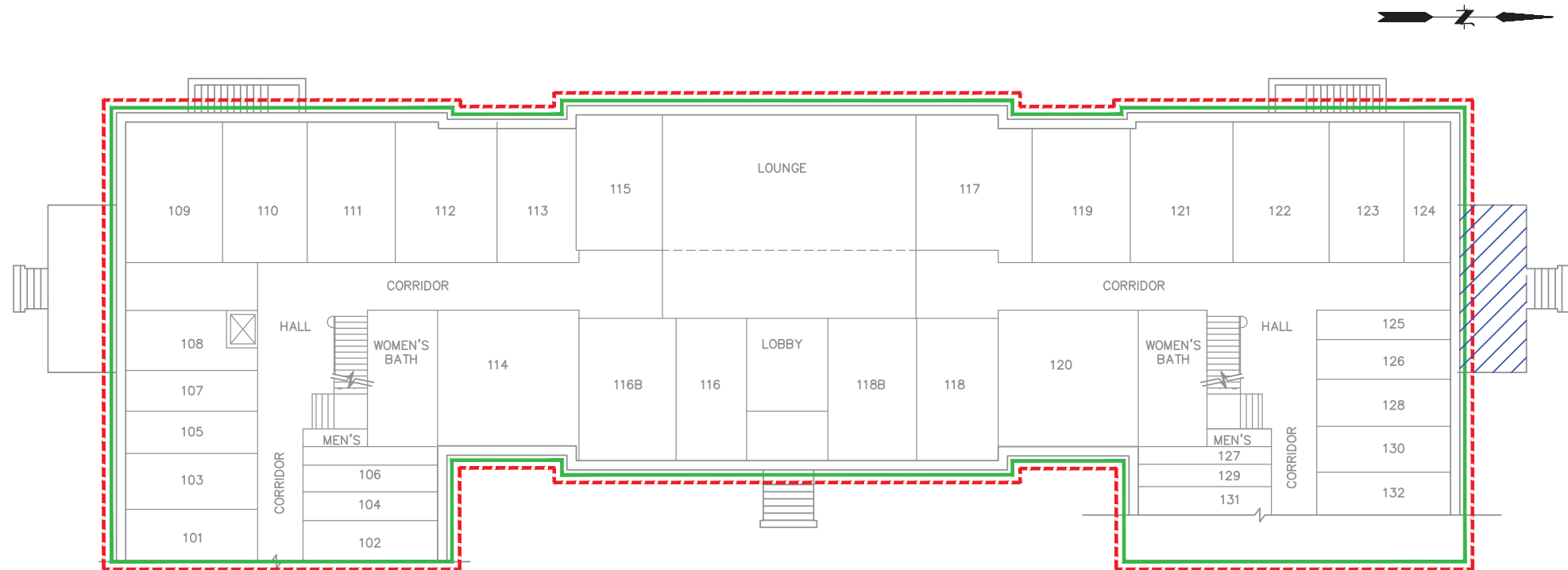
NEWTOWN CONNECTICUT

PROJ. No.: 20141268.A5E
DATE: JULY 2015

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1 ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION
BASEMENT – STAMFORD HOUSE
SCALE: N.T.S.



2 ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION
FIRST FLOOR – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

- WHITE AND BROWN EXTERIOR WINDOW CAULKING COMPOUNDS
- BLACK DAMPROOFING/TAR UNDER CONCRETE WINDOW SILL

LEGEND

- WHITE TEXTURED CEILING PAINT AND ASSOCIATED CEILING PLASTER
- WHITE AND BROWN EXTERIOR WINDOW CAULKING COMPOUNDS
- BLACK DAMPROOFING/TAR UNDER CONCRETE WINDOW SILL

NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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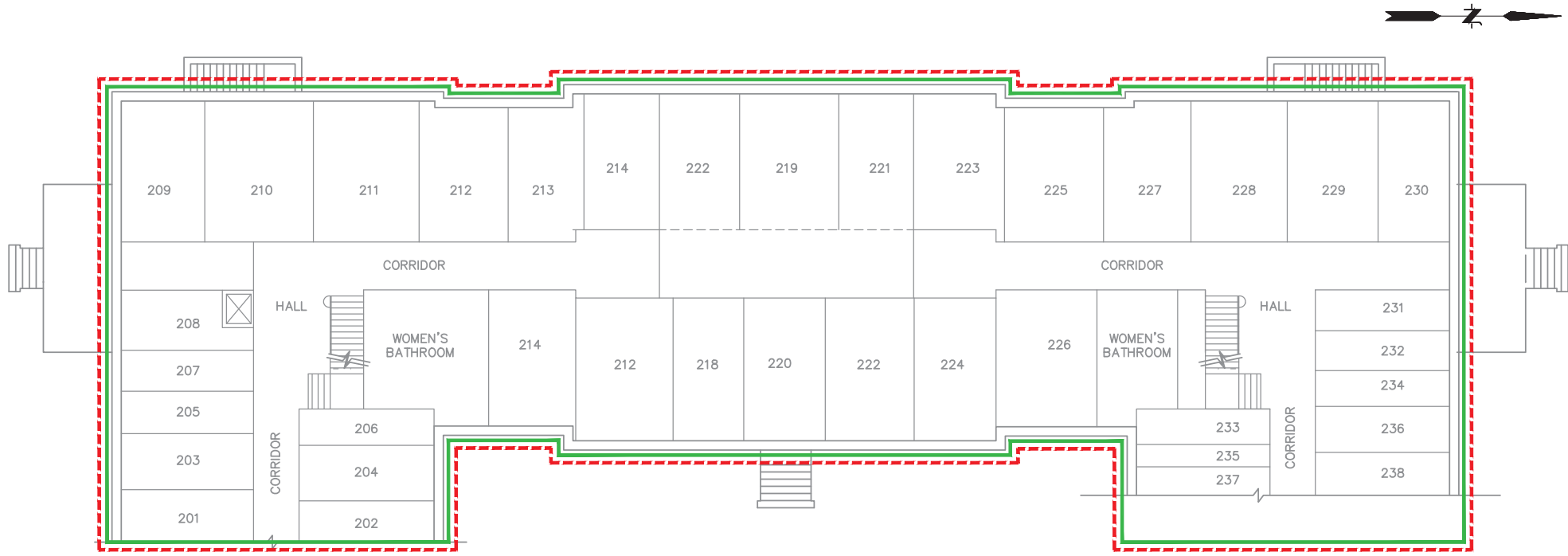
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TOWN OF NEWTOWN
ASBESTOS CONTAINING EXTERIOR
MATERIALS LOCATION
FAIRFIELD HILLS - STAMFORD HOUSE
NEWTOWN CONNECTICUT

PROJ. No.: 20141268.A5E
DATE: JULY 2015
FIG.3.1

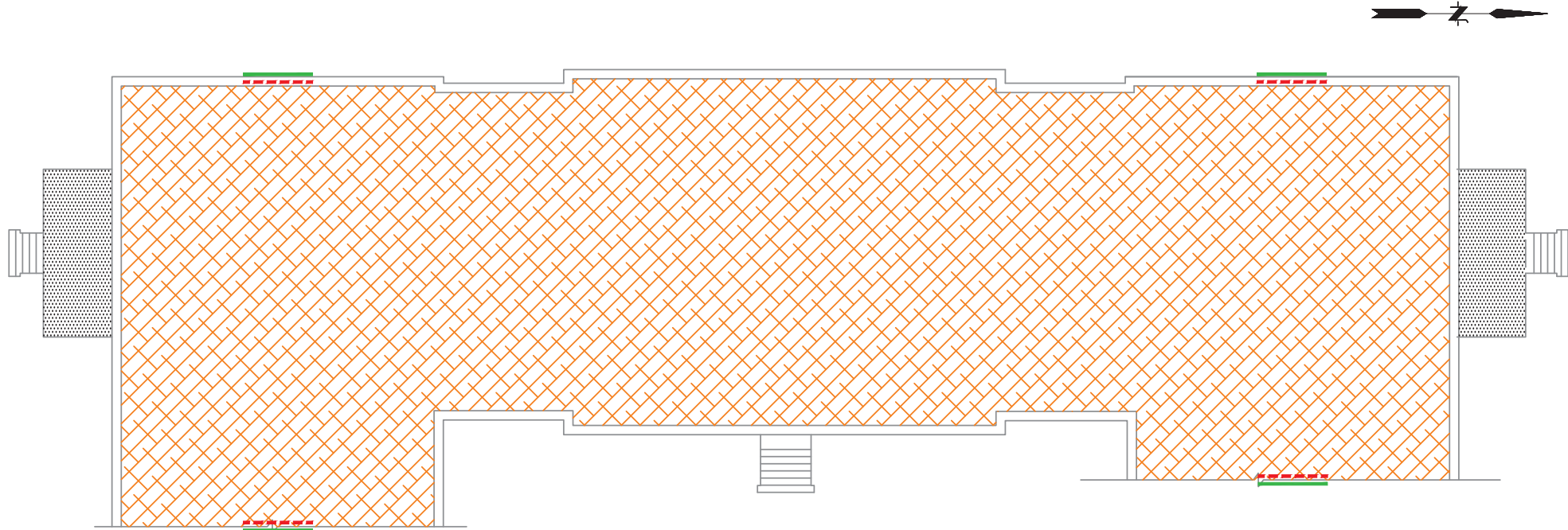
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1 ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION
SECOND FLOOR – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

- WHITE AND BROWN EXTERIOR WINDOW CAULKING COMPOUNDS
- BLACK DAMPROOFING/TAR UNDER CONCRETE WINDOW SILL



1 ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION
ROOF – STAMFORD HOUSE
SCALE: N.T.S.

LEGEND

- CEMENTITIOUS ROOF (PITCHED) SHINGLES AND FLASHING/TAR
- BLACK FIELD ROOFING (FLAT) AND PERIMETER FLASHING/TAR
- EXTERIOR WHITE AND BROWN WINDOW CAULKING COMPOUNDS
- BLACK DAMPROOFING/TAR UNDER CONCRETE WINDOW SILL

NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

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TOWN OF NEWTOWN
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MATERIALS LOCATION
FAIRFIELD HILLS - STAMFORD HOUSE
NEWTOWN CONNECTICUT

PROJ. No.: 20141268.A5E
DATE: JULY 2015
FIG.3.2

Appendix E

Lead Paint Determination Field Data Sheets



XRF LEAD SCREENING FIELD DATA SHEET

Inspector Name: Hob J Hobbins / Sandra Guzman Inspector License #: 002156 / 002210

Date: May 23, 2015 XRF Model: LPA Serial: RMD 3241R

Project Name: Fairfield Hills Hospital -Stamford Hall Building Project Number: 20141268.A5E

Address: Homestead Linc. Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

XRF Calibration Check-RMD (0.7 to 1.3 mg/cm² Inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	8:52	1.1	1.1	1.1	1.1
Second Check	12:20	1.0	1.2	1.1	1.1
Third Check					
Fourth Check					

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (N)	Comments/Notes
A-C	Columns	M	Brown	2.2	↓	Storage (3) 4
O	Other Cabinet Frame	M	Brown	-0.0		Storage (3) 4
C	Silver cage	M	Silver	>9.9		Storage (3) 4
B	Door	W		3.6		Storage 2 4
B	Door frame	M	Brown	1.7		Storage 2
D	Window	W	White	>9.9		"
D	" Frame	W	White	>9.9		"
C	Steel Box	M	Red	-0.1		"
C	Door	W	White	9.9		"
C	" Casing	W	"	>9.9		"
C	" Jamb	W	"	>9.9		"
B	Fire Door	M	Brown	>9.9		"
B	" " Casing	M	Brown	2.4		"
B	" " Jamb	M		3.9		"
D	Electrical Box	M	Black	0.1		Storage 2 2 Elect 2
A	Wall	P	White	0.0		5 Basement Hallway
	Outside (Rise) Shingle	M	Brown	3.6		"
	Shingle	M	Brown	3.3		"

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fairfield Hills Hospital -Stamford Hall Building **Project Number:** 20141268.A5E

Address: Homestead Lane, Newtown, CT **Building:** Stamford Hall Building **Project Manager:** Kevin McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
A	Closet Cabinet	W	White.	0.0		Closet
A	Self	W	"	6.3	✓	
	Attic Door	W	White	29.9	✓	Attic
D	Stair to 2nd Floor	M	Brown	0.0		"
D	Pool Deck	W	Yellow	0.1		"
	Support	W	Yellow	0.3		"
B	Door - 5	W		9.5	✓	"
B	" Trim	M		2.1	✓	"
B	" Jamb	M		8.6	✓	"
A	Attic Beam	M	Brown	0.0		"
-	S Column	M	Red	0.3		"
C	Window Sash	W	White	29.9	✓	"
C	Trim	W	"	29.9	✓	"
C	Rounded Window	W	"	29.9	✓	"
C	R W Trim	W	"	29.9	✓	"
C	Beam	M	Brown	0.5		"
D	Stairs - Lather	M	Brown	0.1		"
-	North Column			0.1		"
A	Beam			0.2		"
B	Column	W	White	1.6	✓	Exterior
B	Black hand Rail	M	Black	0.0		"
B	Black Baluster	M	"	1.6	✓	
B	Hand Rail	M	"	0.2		
B	Trim	W	White	4.6	✓	
B	Door	W	White	2.7	✓	
B	Door Jamb	W	White	1.0	✓	
B	Trim	W	White	0.0	✓	

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET

Inspector Name: Hob Hobbins /Sandra Guzman Inspector License #: 002156 / 002210

Date: May 23, 2015 XRF Model: LPA Serial: RMD 3241R

Project Name: Fairfield Hills Hospital -Stamford Hall Building Project Number: 20141268.A5E

Address: Homestead Line, Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

XRF Calibration Check-RMD (0.7 to 1.3 mg/cm² Inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	<u>8:57</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>
Second Check					
Third Check					
Fourth Check					

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (Y)	Comments/Notes
B	Wood Soffit	W.	white.	<u>19.9.</u>	<input checked="" type="checkbox"/>	<u>B soot comils</u> ✓
B	Porche Roof wall	W	white.	<u>1.9</u>	<input checked="" type="checkbox"/>	<u>11</u>
B	Window. Sill.	W	white	<u>2.0.</u>	<input checked="" type="checkbox"/>	<u>11</u>
B	" Sash	W	white	<u>1.6</u>	<input checked="" type="checkbox"/>	<u>11</u>
B	" Casing	W	white	<u>0.7.</u>	<input checked="" type="checkbox"/>	<u>11</u>
C	El Panel Box.	M	white.	<u>3.0.</u>		<u>11</u>
C	Door	Door W	Brown.	<u>0.0.</u>		<u>Blue Room</u>
D	Door	W	Brown.	<u>0.0.</u>		<u>11</u>
D	Plaster	Plaster	W	<u>-23.</u>		<u>11</u>
A-C	Column	M.	Gray	<u>0.2.</u>		<u>11</u>
C	Baseboard.	C.	Red.	<u>0.1.</u>		<u>11</u>
C	Radiator	M.	White	<u>0.5</u>		<u>11</u>
C	Window.			<u>9.9.</u>		<u>11</u>
C	" Sash.			<u>0.6.</u>		<u>11</u>
C	" Sill.			<u>0.8</u>		<u>11</u>
B	Counter Top.	Brown W	Brown	<u>-0.1.</u>		<u>Kitchen</u>
D	Connect Door.	W	Tan	<u>99</u>		<u>11</u>
D	" Shelf	W		<u>99</u>		<u>11</u>

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B

N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement

I:\Templets\Lead Screening Sheet.docx



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fairfield Hills Hospital - Stamford Hall Building Project Number: 20141268.A5E

Address: Homestead Lane, Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
A	Wso.	M	Brown	3.5	✓	S. Corridor Stairs
B	Hand rail	W.	Brown.	0.5		"
C(D)	Plaster Ceiling	P	White.	0.1.		"
C(D)	Radiator	M	White	0.5		
D	Baseboard.	Concrete	Brown.	3.0	✓	
D	Ceramic.	Ceramic.	Gray.	>9.9	✓	
A	Stone.	M.	Beige.	1.6.	✓	
D	Ceramic Floor	Ceramic	Gray	0.3		
A	Kitchen Base Sta	W.	Beige.	>9.9.	✓	Basement Kitchen
A	Stone	W.	Beige.	2.2	✓	
D	Gray Ceramic	Ceramic.	Gray	>9.9.	✓	N Corridor.
D	Coat Rack	W.	Gray	3.6.	✓	N Corridor - Some Room
C	Plaster	P.	Gray	0.6		"
A	Door Frame	M	Brown.	1.5	✓	"
A	Door Jamb	M	Brown	1.8	✓	N Corridor -
-A	Wtr Ceiling	P	White.	0.4		"
B	Door - Elevator	M	Brown	0.4		"
B	Door Jamb.	M.	Brown	2.2	✓	"
B	Door Casing	M	Brown	1.5	✓	"
D	Upright Storage	M	Brown	3.5	✓	N Stairs / Basement
B	Inside Stringer		Brown	3.2	✓	"
A	Door		Brown	2.9	✓	"
D	Handrail.	W	Brown.	0.0		"
A	Baseboard	M	Brown.	0.9		N - Corridor.
B	Baseboard	C	Brown/Red	2.4.	✓	"
B	Door-Frm.	W.	Beige	>9.9.	✓	"
B	Door Jamb.	M	Brown.	1.9	✓	

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N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fairfield Hills Hospital - Stamford Hall Building Project Number: 20141268.A5E

Address: Homestead Lane, Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
B	Door Casing	M	Brown	1.1	✓	Base N Corridor
B	Window Sash	W	Gray	59.9	✓	Storage 1
B	" Trim	W	Gray	59.9	✓	"
B	(Duct) Ceiling	C	White	0.1		"
B	Wall	B	White	0.1		"
C	Foundation Wall	C	White	0.2		"
C	Radiator	M	Silver	0.8		"
C	Door	W	Gray	59.9		"
C	Jamb	W	Gray	59.9		"
C	Elec Box	M	Red	0.5		Storage 3
A/C	Column	M	Brown	2.8	✓	
D	Wall	P	White	0.0		Room 102
D	Window Sash	W	Brown	7.8		
D	Sill	W	"	0.2		
D	Casing	W	"	0.2		
C	Window Frame	W	White	0.2		
B	Closet Wall	P	Green	0.5		
D	Door Casing	M	Brown	1.1	✓	N Corridor
D	Door Jamb	W M	Brown	2.0	✓	"
D	Door	W	Brown	0.1		"
A	Radiator	M	White	0.6		"
D	Fire Box	M	Blue	1.1	✓	"
D	Inside	M	Brnz	0.1		01
D	Ceiling Molding	W	Blue	6.1	✓	
D	Ceiling "	W	Blue	4.8	✓	
D	Ceiling	P	Blue	0.3		
	Elec Panel Door			0.2		C

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N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fairfield Hills Hospital - Stamford Hall Building Project Number: 20141268.A5E

Address: Homestead Line, Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (Y)	Comments/Notes
B	N Women B Wall	Ceramic	Pink	59.9	✓	N Women's Bath 1st fl.
B	Floor	"	Pink	0.3		"
B	Door	Door (M)	Brown	0.0		"
B	Door Frame	"	Brown	0.4		"
A	Window Sash	W	White	59.9	✓	"
A	Casing	W	White	59.9	✓	"
D	Coat	W	White	3.2	✓	
D	Shelf	W		0.2		
D	Wall Plaster	P	Beige	0.4		Room 113.
B	Door Casing	W	White	9.7	✓	Lounge.
B	Door	W	"	6.8	✓	"
B	Trim	W	"	2.4	✓	"
A	Chair Rail	W	"	8.6	✓	"
A	Paneling	W	White	1.0	✓	"
D	Column	W	White	9.3	✓	"
C	Radiator Top (Rad)	W	White	59.9	✓	"
C	Radiator panel	W	"	2.9	✓	"
C	Window Sash	W	White	2.9	✓	"
C	Casing	W	"	59.9	✓	"
B	Chimney Mantel	W	White	2.0	✓	"
A	Main Door	W	White	1.1	✓	"
A	Trim	W	White	4.6	✓	"
A	Trim	W		1.9	✓	"
C	Arch Window	W	White	9.2	✓	"
B	Picture Frame	W	White	2.1	✓	"
B	" " Door	W	White	6.5	✓	"
D	Wall	P	White	0.7		Room 118

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fairfield Hills Hospital - Stamford Hall Building Project Number: 20141268.A5E

Address: Homestead Line, Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
C.	Window Sash	W	Brown.	6.6	✓	Room 121.
C	Trim	W	Brown	0.0		"
C	Sill.	W	Brown	0.2		"
A	Door Frame	M	Brown	1.1	✓	
A	Jamb.	M	Brown	1.1		
A	Door	W	Brown	0.1		
B	Ceiling Molding	W	Green	6.3		Corridor 1st Fl
B	Ceiling	P	Green	0.5		"
D	Door	W	White	6.1		"
D	" Jamb.	W	White	9.2		"
D	" Casing	W	"	3.9		"
D	Chair Rail	W	"	7.7		
D	Paneling	W	"	7.1		
D	Screen Door Jamb	W	White	7.7		
D	Jamb.	W	"	7.4		
D	Thru H. Door	M	Green	3.3		
D	Trim	M	"	0.1		
C	Wall Hatch	Cement Panel	Blue	0.4		Room 12A
B	Radiator	M	Brown	1.1		
D	Corridor wall	P	Green	0.5		Corridor 2nd Fl
B	Thru Door Jamb	M	Brown	0.5		
B	Thru Door Trim	M	"	1.6		
B	Jamb.	M	"	1.1		
D	Fire Alarm Box	M	Red	2.1		
D	Alarm Support	M	Red	0.6		
D	Elect Box	M	Brown	0.2		
D	Fire Alarm Box			2.4		

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fairfield Hills Hospital - Stamford Hall Building Project Number: 20141268.A5L

Address: Homestead Line, Newtown, CT Building: Stamford Hall Building Project Manager: Kevin McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
C	Wall hatch	M.	Brg	0.1		Room 23
B	Wall	P	Brg	0.4		
B	Window Sash.	W	Brown	9.5	✓	
B	" Sill.	W	Brown	9.5	✓	
B	" Trim.	W	Brown	0.1		
B	Door	W	Brown	0.2		Room 23 J - Consider
B	Jamb.	M.	Brown	1.1	✓	"
B	Frame	M.	Brown	1.1	✓	"
D	Ceiling	C.	Gray	>99.	✓	Basement by 12
-	Floor	C	Gray	0.1		"
B	Window Sash.	W	White	>99	✓	"
B	" Trim.	W	White	>99	✓	"
C	Door	M	Brown	0.6		"
C	Door support	M	Brown	0.2		"
B	Wall	P.	Green	0.1		Corridor by 2nd Fl / Corridor
A	Window Sash	W.	Brown	5.6	✓	Room 2/6
A	Sill.	Metal	Brown	1.1	✓	"
A	Radiator	M	White	0.5		"
B	Minor Trim.	M	White	0.1		"
C	Baseboard	Concrete	Red	0.1		Room 20.
A	Brg Wall	P	Brg	0.1		"
D	Fire Box	M	Green	0.5		2nd Fl South Corridor
D	Door	W	Brown	0.2		Corridor by M 12
D	" Casing	M	Frame	1.1		
D	Jamb			1.1		
D	Door Knick	M	Brown	0.1		

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N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



FUSS & O'NEILL

Prepared By

Date

Checked By

Date

Project No

Sheet No
of

Side	Surface	Subst	Color	Recess	Pos	Notes
B.						exterior.
B	Window Sash	w	white	>9.9	✓	1st Fl window
B	" Casing	w	white	1.4	✓	
B	" Sill	w	white	1.8	✓	
A	Window Sash	w	"	>9.9	✓	1st Fl window
A	" Sill	w	white	1.7	✓	
A	" Casing	w	white	4.7	✓	
A	Baluster	m	Black	-0.2	✓	
A	Hand Rail	m	Black	-0.1	✓	
A	Door Casing	w	white	4.6	✓	
A	Door	w	white	3.9	✓	
A	" Jamb	w	white	4.6	✓	
A	Door Soffit Mold	w	white	2.2	✓	
D	Window Sash	w	white	>9.9	✓	
D	" Sill	w	white	2.5	✓	
D	" Casing	w	white	>9.9	✓	
D	Door Casing	p	white	0.3	✓	
D	Casing Molding	w	white	>9.9	✓	
D	Door Casing	w	white	1.6	✓	
D	" Jamb	w	white	>9.9	✓	
D	Door	w	white	>9.9	✓	
D	Column	w	white	0.5	✓	
D	Porche Trim	w	white	0.7	✓	
D	Column Base	w	white	0.4	✓	
D	Hand Rail	m	Black	0.1	✓	
C	Door	w	white	>9.9	✓	
C	D Trim	w	white	>9.9	✓	
C	D Jamb	w	white	>9.9	✓	
C	Hand Rail	m	Black	0.4	✓	
C	Window Sash	w	white	>9.9	✓	5th window 1st Fl
C	" Sill	w	white	3.5	✓	
C	" Casing	w	white	5.4	✓	
C	Hand Rail	m	Red			

Appendix F

Lead TCLP Laboratory Analytical Report, Chain-of-Custody Form,
and TCLP Representative Demolition Waste Stream Sample
Aliquot Computation Form



Tuesday, November 01, 2016

Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: FAIRFIELD HILLS STAMFORD HALL
Sample ID#s: BV67616 - BV67618

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,

A handwritten signature in black ink, appearing to read "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



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

Analysis Report

November 01, 2016

FOR: Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 72 Hour
P.O.#: 20141268.A5E

Custody Information

Collected by: BH
Received by: B
Analyzed by: see "By" below

Date Time

10/26/16
10/27/16 14:12

Laboratory Data

SDG ID: GBV67616
Phoenix ID: BV67616

Project ID: FAIRFIELD HILLS STAMFORD HALL
Client ID: 20161026BH STAMFORD ENTIRE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	0.46	0.10	mg/L	1	10/29/16	LK	SW6010C
TCLP Metals Digestion	Completed				10/28/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				10/27/16	W	SW1311

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

Comments:

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

Phyllis Shiller, Laboratory Director

November 01, 2016

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

November 01, 2016

FOR: Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 72 Hour
P.O.#: 20141268.A5E

Custody Information

Collected by: BH
Received by: B
Analyzed by: see "By" below

Date

10/26/16

Time

14:12

Laboratory Data

SDG ID: GBV67616
Phoenix ID: BV67617

Project ID: FAIRFIELD HILLS STAMFORD HALL
Client ID: 20161026BH STAMFORD ENTIRE + FOUNDATION

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	0.44	0.10	mg/L	1	10/29/16	LK	SW6010C
TCLP Metals Digestion	Completed				10/28/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				10/27/16	W	SW1311

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

Comments:

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Phyllis Shiller, Laboratory Director

November 01, 2016

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.

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

Analysis Report

November 01, 2016

FOR: Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 72 Hour
P.O.#: 20141268.A5E

Custody Information

Collected by: BH
Received by: B
Analyzed by: see "By" below

Date

10/26/16

Time

14:12

Laboratory Data

SDG ID: GBV67616
Phoenix ID: BV67618

Project ID: FAIRFIELD HILLS STAMFORD HALL
Client ID: 20161026BH STAMFORD ACM

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	10/29/16	LK	SW6010C
TCLP Metals Digestion	Completed				10/28/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				10/27/16	W	SW1311

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

Comments:

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Phyllis Shiller, Laboratory Director

November 01, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

QA/QC Report

November 01, 2016

QA/QC Data

SDG I.D.: GBV67616

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 364679 (mg/L), QC Sample No: BV67323 (BV67616, BV67617, BV67618)													
<u>ICP Metals - TCLP Extraction</u>													
Lead	BRL	0.010	0.145	0.136	6.40	108			108			75 - 125	20

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

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

Phyllis Shiller, Laboratory Director
November 01, 2016

Sample Criteria Exceedances Report
GBV67616 - FOENVIR

Criteria: None
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	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.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Fuss & O'Neill EnviroScience, LL

Project Location: FAIRFIELD HILLS STAMFORD HALL

Project Number:

Laboratory Sample ID(s): BV67616-BV67618

Sampling Date(s): 10/26/2016

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Tuesday, November 01, 2016

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



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



RCP Certification Report

November 01, 2016

SDG I.D.: GBV67616

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Lead is reported as requested on the chain of custody.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 10/28/16 15:39

Laura Kinnin, Chemist 10/28/16

BV67616, BV67617, BV67618

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 364679 (BV67323)

BV67616, BV67617, BV67618

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.

(Note acceptance criteria is above freezing up to 6°C)

Stamford Hall Total Building Waste Stream without ACM

Calculations for Preparing Waste Stream TCLP Sample												
Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)	Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
Floor Tile and Black Mastic					1.6				0	0.000%	0.000	1
Roof Flashing						75			0	0.000%	0.000	3
Cementitious Roof Shingles					7.73				0	0.000%	0.000	4
Porch Black Field Roofing & Perimeter Flashing/Tar					3				0	0.000%	0.000	7
wood Roof Deck					1.2				0	0.000%	0.000	7
Total Window Caulking					8.5				0	0.000%	0.000	7
Total Window Glazing							0.35		0	0.000%	0.000	5
Total Window Sash (wood)												
Total Window Frame (wood)												
Total Window Glass												
Ceramic wall tile w/black glue							1.44		0	0.000%	0.000	18
Rectangular 6"x4" Ceiling Tile and Brown Glue Daub							0.1		0	0.000%	0.000	18
Cementitious wall Hatch panel							7.32		0	0.000%	0.000	18
Bulletin Board and Dark-Brown Glue Daubs					2.5				0	0.000%	0.000	7
Gray Radiator Insulation and Insulation Paper							0.35		0	0.000%	0.000	5
Exterior Porch Ceiling Plaster & White Textured Ceiling Paint					2.3				0	0.000%	0.000	6
Black Damproofing/Tar under Concrete Window Sill							1.962		0	0.000%	0.000	8
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation (2")							5.0994		0	0.000%	0.000	8
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation (6")												
Structural Terracotta Block (12"x 3 50"x 8")		45240			45				2,035,800	16.990%	17,840	7,20
Exterior Brick walls-3 course of brick		5600			120				672,000	5.608%	5,889	7
Exterior Brick walls-2 course of brick		8340			80				667,200	5.568%	5,847	7
Concrete Walls Foundation	1.3300	6950				144			1,331,064	11.109%	11,664	17
Concrete Foundation Slab	0.5800	14885				144			1,243,195	10.375%	10,894	17
Concrete Floors (2 Floors)	0.5000	29770				144			2,143,440	17.888%	18,783	17
Concrete Beams (2 Floors)	0.5000	29770				144			2,143,440	17.888%	18,783	17
Exterior Concrete Trim	1.5000	695				144			150,120	1.253%	1,315	17
Exterior Concrete Steps/ Entrance	1.0000	72				144			10,368	0.087%	0.091	17
Exterior Concrete Entrance	6.0000	352				144			304,128	2.538%	2,665	17
Terrazzo Cove Base		3900			7				27,300	0.228%	0.239	7
Wall Plaster-Cement 1" thickness		79440			10				794,400	6.630%	6,961	7
Ceiling Plaster-Cement 1" thickness		29770			10				297,700	2.484%	2,609	7
Roof Wood Deck-Pine (3/4-inch)		17813			3.2				57,002	0.476%	0,500	7
Roof Base Sheet-Tar Paper		17813			0.35				6,235	0.052%	0,055	7
Wood: Roof Beams (2x11 16" on center)	0.1670	17801			3.2				56,963	0.475%	0,499	7,13
Wood Doors unpainted interior doors				86	3.1			191.4	16,460	0.137%	0,144	
Metal Doors 86 interior painted door				3	3.1			210	630	0.005%	0,006	
LBP wood white column		174			3.1				539	0.005%	0.005	7
LBP Wood window sash, frames, and trim		2708		180	3.1				8,395	0.070%	0.074	
LBP wood beige and white doors, casing, and jambs		72			3.1				223	0.002%	0.002	
LBP wood tan cabinet door and shelf		30			3.1				93	0.001%	0.001	
LBP Wood closet shelves		110			3.1				341	0.003%	0.003	
LBP wood white soffit		136			3.1				422	0.004%	0.004	
LBP wood blue and green ceiling moldings		1233			3.1				3,822	0.032%	0.033	
LBP wood white paneling		175			3.1				543	0.005%	0.005	
LBP wood gray and white coat racks		55			3.1				171	0.001%	0.001	
LBP wood white chair rail		168			3.1				521	0.004%	0.005	
LBP wood white porch roof wall		520			3.1				1,612	0.013%	0.014	
LBP wood white radiatr housing top and panel		835			3.1				2,589	0.022%	0.023	
LBP wood white fireplace mantle		9			3.1				28	0.000%	0.000	
LBP brown concrete baseboard		275			3.1				853	0.007%	0.007	
LBP Ceramic gray and pink wall tile		798			3.1				2,474	0.021%	0.022	
LBP exterior wood white column		487			3.1				1,510	0.013%	0.013	
LBP wood doors, casings, jambs, and soffit moldings		175			3.1				543	0.005%	0.005	
LBP wood white porch ceiling moldings		60			3.1				186	0.002%	0.002	
Total Waste Steam Weight:									11,982,307	100%	105	

Notes:

- Weight of tile taken from current manufacturers data for similar thickness vinyl tile
- One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
- Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
- Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
- Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
- Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
- Weight per square foot taken from standard building materials reference
- Assumes asbestos insulation weighs 18 lbs. per cubic foot
- Assumes a light weight concrete
- White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
- Weight of carpet determined for particular carpet
- Weight per unit estimated
- Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- Weight per foot calculated assuming pine wood
- Weight calculated assuming oak wood
- Weight estimated assuming steel door with interior insulation
- Weight per cu. ft. from standard reference assuming stone and sand aggregate
- Weight per foot calculated assuming standard steel
- Total weight calculated
- Terracotta block is on the interior or the exterior walls and also forms core of interior walls

Stamford Hall Total Building Waste Stream without ACM and without Lower Portion of Foundation

Calculations for Preparing Waste Stream TCLP Sample

Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)	Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
Floor Tile and Black Mastic					1.6				0	0.000%	0.000	1
Roof Flashing						75			0	0.000%	0.000	3
Cementitious Roof Shingles					7.73				0	0.000%	0.000	4
Porch Black Field Roofing & Perimeter Flashing/Tar					3				0	0.000%	0.000	7
wood Roof Deck					1.2				0	0.000%	0.000	7
Total Window Caulking							0.35		0	0.000%	0.000	5
Total Window Glazing							1.44		0	0.000%	0.000	18
Total Window Sash (wood)									0	0.000%	0.000	
Total Window Frame (wood)									0	0.000%	0.000	
Total Window Glass									0	0.000%	0.000	
Ceramic wall tile w/black glue							0.1		0	0.000%	0.000	18
Rectangular 6"x4" Ceiling Tile and Brown Glue Daub							7.32		0	0.000%	0.000	18
Cementitious wall Hatch panel					2.5				0	0.000%	0.000	7
Bulletin Board and Dark-Brown Glue Daubs							0.35		0	0.000%	0.000	5
Gray Radiator Insulation and Insulation Paper					2.3				0	0.000%	0.000	6
Exterior Porch Ceiling Plaster & White Textured Ceiling Paint								5	0	0.000%	0.000	12
Black Dampproofing/Tar under Concrete Window Sill							1.962		0	0.000%	0.000	8
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation (2")								5.0994	0	0.000%	0.000	8
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation (6")												
Structural Terracotta Block (112"x 3.50"x 8")		45240			45				2,035,800	13.882%	14,576	9
Exterior Brick walls-3 course of brick		5600			120				672,000	4.582%	4,811	7,20
Exterior Brick walls-2 course of brick		8340			80				667,200	4.550%	4,777	7
Concrete Floors (2 Floors)	1.5000	29770				144			6,430,320	43.848%	46,040	17
Concrete Beams (2 Floors)	1.0000	29770				144			4,286,880	29.232%	30,694	17
Exterior Concrete Steps/ Entrance	1.0000	72				144			10,368	0.071%	0.074	17
Exterior Concrete Entrance	1.0000	352				144			50,688	0.346%	0.363	17,19
Exterior Concrete Below Windows		380			7				2,660	0.018%	0.019	7
Terrazzo Cove Base		3900			10				39,000	0.266%	0.279	7
Wall Plaster-Cement 1" thickness		79440			3.2				254,208	1.733%	1,820	7
Ceiling Plaster-Cement 1" thickness		29770			0.35				10,420	0.071%	0.075	7
Roof Wood Deck-Pine (3/4" inch)	0.1670	17801			3.2				56,963	0.388%	0.408	7
Roof Base Sheet-Tar Paper		17801			0.35				38,168	0.260%	0.042	7,13
Wood: Roof Beams (2x11 16" on center)	0.1670	17801			3.2				56,963	0.388%	0.408	
Wood Doors: unpainted interior doors				86	3.1			191.4	16,460	0.137%	0.144	
Metal Doors 86 interior painted door				3	3.1			210	630	0.005%	0.006	
LBP wood white coulmn		174			3.1				539	0.004%	0.005	
LBP Wood window sash, frames, and trim		2708		180	3.1				8,395	0.070%	0.073	
LBP wood beige and white doors, casing, and jambs		72			3.1				223	0.002%	0.002	12
LBP wood tan cabinet door and shelf		30			3.1				93	0.001%	0.001	7
LBP Wood closet shelves		110			3.1				341	0.003%	0.003	14
LBP wood white soffit		136			3.1				422	0.004%	0.004	14
LBP wood blue and green ceiling moldings		1233			3.1				3,822	0.032%	0.033	14
LBP wood white paneling		175			3.1				543	0.005%	0.005	14
LBP wood gray and white coat racks		55			3.1				171	0.001%	0.001	14
LBP wood white chair rail		168			3.1				521	0.004%	0.005	15
LBP wood white porch roof wall		520			3.1				1,612	0.013%	0.014	
LBP wood white radiator housing top and panel		835			3.1				2,589	0.022%	0.023	
LBP wood white fireplace mantle		9			3.1				28	0.000%	0.000	
LBP brown concrete baseboard		275			3.1				853	0.007%	0.007	
LBP Ceramic gray and pink wall tile		798			3.1				13,392	0.112%	0.117	
LBP exterior wood white column		487			3.1				1,510	0.013%	0.013	
LBP wood doors, casings, jambs, and soffit moldings		175			3.1				543	0.005%	0.005	
LBP wood white porch ceiling moldings		60			3.1				186	0.002%	0.002	
LBP wood doors, casings, jambs, and soffit moldings		175			3.1				543	0.004%	0.004	
Total Waste Steam Weight:									14,665,051	100%	105	

Notes:

- 1) Weight of tile taken from current manufacturers data for similar thickness vinyl tile
- 2) One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
- 3) Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
- 4) Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
- 5) Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
- 6) Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
- 7) Weight per square foot taken from standard building materials reference
- 8) Assumes asbestos insulation weighs 18 lbs. per cubic foot
- 9) Assumes a light weight concrete
- 10) White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
- 11) Weight of carpet determined for particular carpet
- 12) Weight per unit estimated
- 13) Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- 14) Weight per foot calculated assuming pine wood
- 15) Weight calculated assuming steel door with interior insulation
- 16) Weight estimated assuming steel door with interior insulation
- 17) Weight per cu. ft. from standard reference assuming stone and sand aggregate
- 18) Weight per foot calculated assuming standard steel
- 19) Total weight calculated
- 20) Terracotta block is on the interior or the exterior walls and also forms core of interior walls

**Stamford Hall Asbestos Waste Stream
Calculations for Preparing Waste Stream TCLP Sample**

Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)	Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
Floor Tile and Black Mastic	0.0156	36,200			1.6				57,920	7.870%	8.263	1
Roof Flashing	0.0333	700				75			1,748	0.238%	0.249	3
Cementitious Roof Shingles		35626			7.73				275,389	37.418%	39.289	4
Porch Black Field Roofing & Perimeter Flashing/Tar		700			3				2,100	0.285%	0.300	7
wood Roof Deck		17813			1.2				21,376	2.904%	3.050	7
Total Window Caulking	0.0417		2708	180			0.35		948	0.129%	0.135	5
Total Window Glazing	0.0417		17944				0.35		6,280	0.853%	0.896	
Total Window Sash (wood)			8972				1.44		12,920	1.755%	1.843	
Total Window Frame (wood)			2708	180			7.32		19,823	2.693%	2.828	18
Total Window Glass		2948			2.5				7,370	1.001%	1.051	
Ceramic wall tile w/black glue	20				2.3				46	0.006%	0.007	6
Rectangular 6"x4" Ceiling Tile and Brown Glue Daub	30163				5.4				162,880	22.131%	23.238	
Cementitious wall Hatch panel	18				4				72	0.010%	0.010	
Bulletin Board and Dark-Brown Glue Daubs	25				5.4				135	0.018%	0.019	
Gray Radiator Insulation and Insulation Paper	80				0.35				28	0.004%	0.004	
Exterior Porch Ceiling Plaster & White Textured Ceiling Paint	250				10				2,500	0.340%	0.357	
Black Dampproofing/Tar under Concrete Window Sill	1052				144				151,488	20.583%	21.613	
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation (2")			4753				1.962		9,325	1.267%	1.330	8
Pipe Insulation (Multiple Types) & Mudded Pipe Fitting Insulation (6")			711				5.0994		3,626	0.493%	0.517	8
Structural Terracotta Block (112"x 3.50"x 8")					45				0	0.000%	0.000	7
Exterior Brick walls-3 course of brick					120				0	0.000%	0.000	7
Exterior Brick walls-2 course of brick					80				0	0.000%	0.000	7
Concrete Walls Foundation						144			0	0.000%	0.000	17
Concrete Foundation Slab						144			0	0.000%	0.000	17
Concrete Floors (2 Floors)						144			0	0.000%	0.000	17
Concrete Beams (2 Floors)						144			0	0.000%	0.000	17
Exterior Concrete Trim						144			0	0.000%	0.000	17
Exterior Concrete Steps/ Entrance						144			0	0.000%	0.000	17
Exterior Concrete Entrance						144			0	0.000%	0.000	17
Exterior Concrete Columns						144			0	0.000%	0.000	17
Exterior Concrete Below Windows						144			0	0.000%	0.000	17
Terrazzo Cove Base/Flooring					7				0	0.000%	0.000	7
Wall Plaster-Cement 1" thickness					10				0	0.000%	0.000	7
Ceiling Plaster-Cement 1" thickness					10				0	0.000%	0.000	7
Roof Wood Deck-Pine (3/4-inch)					1.2				0	0.000%	0.000	7
Roof Base Sheet-Tar Paper					3.2				0	0.000%	0.000	7
Wood: Roof Beams (2x11 16" on center)					0.35				0	0.000%	0.000	7
LBP wood beige and white doors, casing, and jambs	0.5000					32			0	0.000%	0.000	
LBP wood tar cabinet door and shelf					3.1				0	0.000%	0.000	7
LBP Wood closet shelves					3.1				0	0.000%	0.000	
LBP wood white soffit					3.1				0	0.000%	0.000	
LBP wood blue and green ceiling moldings					3.1				0	0.000%	0.000	
LBP wood white paneling					3.1				0	0.000%	0.000	
LBP wood gray and white coat racks					3.1				0	0.000%	0.000	
LBP wood white chair rail					3.1				0	0.000%	0.000	
LBP wood white porch roof wall					3.1				0	0.000%	0.000	
LBP wood white radiator housing top and panel					3.1				0	0.000%	0.000	
LBP wood white fireplace mantle					3.1				0	0.000%	0.000	
LBP brown concrete baseboard					3.1				0	0.000%	0.000	
LBP Ceramic gray and pink wall tile					3.1				0	0.000%	0.000	
LBP exterior wood white column					3.1				0	0.000%	0.000	
LBP wood doors, casings, jambs, and soffit moldings					3.1				0	0.000%	0.000	
LBP wood white porch ceiling moldings					3.1				0	0.000%	0.000	
Total Waste Stream Weight:									735,974	100%	105	

Notes:

- Weight of tile taken from current manufacturers data for similar thickness vinyl tile
- One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
- Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
- Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
- Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
- Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
- Weight per square foot taken from standard building materials reference
- Assumes asbestos insulation weighs 18 lbs. per cubic foot
- Assumes a light weight concrete
- White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
- Weight of carpet determined for particular carpet
- Weight per unit estimated
- Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- Weight per foot calculated assuming pine wood
- Weight calculated assuming oak wood
- Weight estimated assuming steel door with interior insulation
- Weight per cu. ft. from standard reference assuming stone and sand aggregate
- Weight per foot calculated assuming standard steel

Appendix G

Site Photographs



Asbestos-Containing White Solid Core Pipe Insulation



Asbestos-Containing Pipe Insulation in Wall at Sink



Asbestos-Containing Pipe and Mudded Pipe Fitting Insulations



Wall Pipe Chase between Bathrooms



White Putty Caulking on Electrical Wiring inside Metal Drinking Fountain



Asbestos-Containing TSI Debris on Ground in Attic



Asbestos-Containing Pipe Insulation in Vertical Pipe Chase



Horizontal Ceiling Pipe Chase



Asbestos-Containing Pipe and Mudded Pipe Insulations inside Horizontal Pipe Chase



Asbestos-Containing Gray Radiator Insulation and Paper Insulation



Asbestos-Containing Gray Radiator Insulation and Paper Insulation



Asbestos-Containing Black Glue on Ceramic Wall Tile



Asbestos-Containing Flooring



Asbestos-Containing Porch Perimeter Black Flashing/Tar



Porch Asbestos-Containing Roofing (field)



Asbestos-containing Dark Brown Glue Daub on Lounge Room on Bullecion Board



Asbestos-Containing Black Damproofing under Concrete Window Sill



Asbestos-Containing Cementitious Roof Shingle and Flashing/Tar



Asbestos-Containing Brown Glue Daubs on Rectangular (6"x4") Ceiling Tiles



Oil Transformers

Appendix H

Opinion of Abatement and Demolition Cost

			AAIS Costs	BesTech Costs	HazPros Costs	Manafort Costs	Average Cost Per Item	Stamford Quantities	Stamford Costs
Building Square Footage	45,000								
Task	DAS Item Number	Units	COMMODITY AND/OR SERVICES ASBESTOS REMOVAL						
CLEAN-UP OF ACM DEBRIS BY HEPA VACUUMING	AR-001	SF	\$0.24	0.20	\$0.15	\$0.50	\$0.27	42000	\$11,445
CLEAN-UP OF ACM DEBRIS	NO DAS NUMBER	LS	\$0.24	0.20	\$0.15	\$0.50			\$35,000
REMOVAL OF PIPE INSULATION AND MUDDIED FITTING INSULATION	AR-002/AR-003/AR-003 (average)	LF	\$2.17	2.60	\$2.50	\$3.00	\$2.57	3000	\$7,703
SELECTIVE DEMOLITION TO ACCESS PIPE INSULATION ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	11000	\$12,100
REMOVAL OF RESILIENT FLOORING INCLUDING MASTIC	AR-011	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	36200	\$39,820
SELECTIVE DEMOLITION TO ACCESS CONCEALED ACM ASSOCIATED WITH ABOVE (10% OF TOTAL)	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	3620	\$3,982
REMOVAL OF SOFT PLASTER CEILING SYSTEM	AR-014	SF	\$2.17	2.60	\$2.50	\$4.00	\$2.60	250	\$650
REMOVAL OF WHITE TANK INSULATIONS	AR-008	SF	\$2.89	3.75	\$3.50	\$5.00	\$3.79		\$0
REMOVAL OF WHITE HVAC DUCT INSULATION	AR-009	SF	\$2.89	3.75	\$3.50	\$5.00	\$3.79		\$0
REMOVAL OF VIBRATION ISOLATION CLOTH CONNECTOR	AR-010	SF	\$2.17	2.75	\$2.50	\$4.00	\$2.86		\$0
REMOVAL OF INSULATED VAULT DOORS	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		
REMOVAL OF TAN KILN	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		\$0
REMOVAL OF ACOUSTIC OR METAL PAN CEILING SYSTEM (INCLUDING GRID)	AR-015	SF	\$1.45	1.80	\$1.50	\$2.75	\$1.88		\$0
REMOVEVAL OF WALK IN COOLER CORK AND BLACK MASTIC INSULATION	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF 1'X1' GLUE SET WALL TILES	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45		\$0
REMOVAL OF BROWN GLUE DAUBS ON RECTANGULAR CEILING TILES	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45	4000	\$5,800
REMOVAL OF BULLETIN BOARD GLUE DAUBS	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45	25	\$36
REMOVAL OF BLACK COVE BASE AND BLACK MASTIC	AR-024	LF		\$0.90	\$0.75	\$2.00	\$0.90		\$0
REMOVAL OF INTERIOR BLACK DAMPPROOFING/TAR/PAPER ON TERRACOTTA/BRICK WALLS/CHASES	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
SELECTIVE DEMOLITION TO ACCESS CONCEALED ACM ASSOCIATED WITH ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10		
REMOVAL OF CMU WALL/TERRA COTTA BLOCK	AR-026	SF	\$1.45	1.80	\$1.65	\$3.00	\$1.98		\$0
SELECTIVE DEMOLITION TO ACCESS CONCEALED ACM ASSOCIATED WITH ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10		\$0
PREP WORK AREA (1) (2)	AR-027	SF	\$0.97	0.97	\$1.00	\$1.85	\$1.00	213000	\$213,000
FIRE DOORS	NO DAS NUMBER	EACH	\$125.00	125.00	\$125.00	\$125.00	\$125.00	3	\$375
TAN INTERIOR COLUMN CAULKING COMPOUNDS	NO DAS NUMBER	LF	\$10.00	10.00	\$10.00	\$10.00	\$10.00		\$0
REMOVAL OF TAN INTERIOR WINDOW CAULKING	NO DAS NUMBER	EACH	\$300.00	300.00	\$300.00	\$300.00	\$300.00		\$0
REMOVAL OF TAN INTERIOR DOOR CAULKING	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		\$0
REMOVAL OF RADIATOR PACKING INSULATION AND PAPER	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$150.00	4	\$600
REMOVAL OF GREY CEILING PANELS AND ASSOCIATED SEAM STRIP	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF GRAY CEMENTITIOUS BAKELITE/ELECTRICAL PANEL	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		\$0
REMOVAL OF GRAY CEMENTITIOUS COUNTERTOP	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		\$0
REMOVAL OF GRAY CEMENTITIOUS WALL HATCH	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00	3	\$300
REMOVAL OF GRAY CEMENTITIOUS RADIATOR TOP	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		\$0
REMOVAL OF GRAY CEMENTITIOUS ELECTRICAL PANEL	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		
REMOVAL OF WHITE OR BLACK CAULKING ON ELECTRICAL WIRES IN METAL DRINKING FOUNTAINS	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00	1	\$100
REMOVAL OF SINK UNDERCOATING	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		\$0
REMOVAL OF ELEVATOR BRAKE PADS	NO DAS NUMBER	LS							\$0
REMOVAL OF BLACK GLUE ON CERAMIC WALL TILE	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	20	\$300
REMOVAL OF SKIM COAT CONCRETE ON TERRACOTTA WALL	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF GRAY SLATE STEPS AT MAIN ENTRANCE	NO DAS NUMBER	CY					\$50.00		\$0
CONCRETE SILL	NO DAS NUMBER	EACH	\$300.00	300.00	\$300.00	\$300.00	\$300.00	180	\$54,000

[illegible]