Hazardous Building Materials Inspection

Shelton House Fairfield Hills Campus Newtown, Connecticut

Town of Newtown

Newtown, Connecticut

July 2015 Revised August 2015, December 2016



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



July 17, 2015 Revised August 28, 2015 Revised December 28, 2016

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

Re: Hazardous Building Materials Inspection Report

Shelton House

Fairfield Hills Campus, Keating Farms Avenue, Newtown, Connecticut

Fuss & O'Neill EnviroScience Project No. 20141268.A1E

Dear Ms. Preszler:

Enclosed is the summary report for the hazardous building materials inspection conducted for the Shelton House located on Keating Farms Avenue 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 March 2015 through August 2015 and October 6, 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 (860)-646-2469 ext. 5396. Thank you for this opportunity to have served your environmental needs.

Sincerely,

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Connecticut
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Helen Rimsa Senior Scientist

HR/kr

Enclosure



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Keating Farms Avenue, Fairfield Hills Campus, Newtown, CT
Town of Newtown

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1 Introduction

From March 26, 2015 through April 3, 2015, July 9, 2015, and August 20, 2015, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representatives Mr. Robert Hobbins, Mr. James Blum, Mr. Thomas Cruess, and Ms. Sandra Guzman performed a hazardous building materials inspection of the Shelton House located on Keating Farms Avenue on the campus of Fairfield Hills in Newtown, Connecticut (the "Site"). On October 6, 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;
- Lead Waste Characterization Sampling; 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 written scope of services dated December 17, 2014, and is subject to the limitations included in *Appendix A*.

This hazardous building materials inspection was performed in response to the proposed renovation and/or demolition of demolition, 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 March 26, 2015 through April 3, 2015, July 9, 2015, and August 20, 2015, Mr. Hobbins, Mr. Blum, and Mr. Cruess of EnviroScience conducted the inspection. Mr. Hobbins, Mr. Blum, and Mr. Cruess are State of Connecticut Department of Public Health (CTDPH)-licensed Asbestos Inspectors. Refer to *Appendix B* for the EnviroScience Inspector state licenses, certifications, 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, caulkings, 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 EPA 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.
 - 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 renovation and/or demolition activities, and prepared proper chain-of-custody forms for transmission of the samples collected to EMSL Analytical Inc., of Cinnaminson, New Jersey, 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 *Table 1* 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. Plaster samples were collected every 1,000 square feet within each building section. EnviroScience collected representative samples from both plaster ceilings and walls. 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:

- White Pipe Insulation and Gray Mudded Pipe Fitting Insulation and Debris;
- Gray Radiator Packing Insulation and Corrugated Insulation Paper
- Gray Ceiling Panels and associated Seam Strips;
- Brown Glue Daubs on Rectangular (6" x 4") Ceiling Tiles;
- Gray Cementitious Radiator Panel Top;
- Black Sink Undercoating;
- White Caulking Compounds on Electrical Wire in Metal Drinking Water Fountains;
- Black Glue on Ceramic Wall Tile;
- Floor Tile (Various Colors and Sizes) and Black Floor Mastic;
- Skim Coat Concrete on Terracotta Wall;



- Exterior Window Glazing and Caulking Compounds;
- Exterior Door Caulking Compounds, and
- Cementitious Roof Panels and associated Flashing/Tar.

Refer to the attached **Tables 1A and 1B** (plasters only) 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 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 materials (e.g., asphaltic-based materials, adhesives, etc.) are recommended for further confirmatory analysis utilizing Transmission Electron Microscopy (TEM). Sixty seven 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 renovation and/or demolition must be abated by a CTDPH-licensed Asbestos Abatement Contractor prior to disturbance during building renovation and/or 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 1.33% asbestos. In accordance with 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 are rounded down to 1%, and thus, are not considered ACM. Note that OSHA regulations for protection of workers during demolition still apply.

Materials containing < 1% asbestos are not regulated by CTDPH or EPA; however OSHA regulations still apply during demolition activities that will disturb the materials. During 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 the critical barriers, negative pressure, and decontamination unit are constructed, the abatement contractor would clean all surfaces, abate all ACM, and encapsulate the work area, prior to final re-occupancy air clearance testing and subsequent building demolition.

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 April 3, 2015, Mr. Blum performed a LBP determination by testing coated building components at the Site scheduled for renovation and/or demolition. Mr. Blum is a CTDPH-Certified lead inspector/risk assessor. Refer to *Appendix B* for the EnviroScience Inspector licenses, certifications and 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 3241R, 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:

Exterior

- White Wood Door, Jamb and Trim;
- White Wood Window Trim;
- White Metal Window Sash;
- White Lower Wood Window Panel;
- White Wood Dental Molding;
- Southeast White Metal Entry Ceiling and Black Metal Support; and
- South Side Main Entry White Wood Columns.

Interior

- White Metal Window Sash and Sill;
- Tan Metal Door and Jamb;
- Middle Stairwell Brown Metal Fall Protection Cage;
- Pink Ceramic Wall Tile;
- Southwest and Northwest Wing Brown Metal Window Sash;
- Southwest and Northwest Wing Brown Wood Dental Molding;
- Southwest Wing Yellow Brick Wall;
- Southwest Stairwell Gray Ceramic Block Wall;
- Brown Metal Radiator Cover; and
- Blue Metal Radiator.

Refer to Appendix E for the lead paint 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 renovation and/or 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 as a representative sample 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 samples were 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 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 statues 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 <0.10 mg/L;
- Entire Building Components including Foundation <0.10 mg/L; and
- Asbestos-Containing Building Components < 0.10 mg/L.

The analytical results of the representative samples indicate 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 steam composite samples, the building demolition waste stream from the building is 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 diethylhexl 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 March 31, 2015, EnviroScience representative, Mr. Hobbins and Mr. Blum 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 March 31, 2015, EnviroScience representative, Mr. Hobbins and Mr. Blum performed an inventory of mercury-containing lamps, thermostats, and mercury switches. These fixtures were inventoried inplace.

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 are batteries, fire extinguishers, emergency and exit light fixtures, electrical fuses and resistors, water bubblers, refrigeration and air conditioning equipment, and other electronic devices and gauges.

5.6 Other Building Wastes Methodology

On March 31, 2015, Mr. Hobbins and Mr. Blum performed a visual inspection of other building wastes within the building located at the Site.

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

Robert L. May, Ja

President



Tables



Table 1A
Summary of Suspect Asbestos-Containing Materials Data

Sample No.	Material Type	NESHAP	Sample Location	Asbestos	EPA TEM
Jampie No.	wateriar type	Category	Sample Location	Content	NOB
0329BH01A	White Pipe Insulation	Friable	Attic	60% Chrysotile	
0329BH01B	White Pipe Insulation	Friable	2nd Floor-Room 45	NA/PS	
0329BH01C	White Pipe Insulation	Friable	Basement	NA/PS	
0329BH02A	Gray Mudded Pipe Fitting Insulation	Friable	Attic	70% Chrysotile	
0329BH02B	Gray Mudded Pipe Fitting Insulation	Friable	Basement	NA/PS	
0329BH02C	Gray Mudded Pipe Fitting Insulation	Friable	2nd Floor - Room 63/62	NA/PS	
0329BH03A	Brown Cork Pipe Insulation	Non-ACM	Basement	ND	
0329BH03B	Brown Cork Pipe Insulation	Non-ACM	Attic	ND	
0329BH03C	Brown Cork Pipe Insulation (Debris)	Non-ACM	1st Floor - Room 116	ND	
0329BH04A	Black Tar on Cork Pipe Insulation	Non-ACM	Basement	ND/ND	Yes
0329BH04B	Black Tar on Cork Pipe Insulation	Non-ACM	Attic	ND	
0329BH04C	Black Tar on Cork Pipe Insulation (Debris)	Non-ACM	1st Floor - Room 116	ND	
0329BH05A	Gray Radiator Corrugated Insulation Paper	Friable	1st Floor - Room 88	40% Chrysotile	
0329BH05B	Gray Radiator Corrugated Insulation Paper	Friable	2nd Floor - Room 45	NA/PS	
0329BH05C	Gray Radiator Corrugated Insulation Paper	Friable	1st Floor - Room 107	NA/PS	
0329BH06A	Gray Radiator Packing Insulation	Friable	1st Floor - Room 118	50% Chrysotile	
0329BH06B	Gray Radiator Packing Insulation	Friable	1st Floor - Room 107	NA/PS	
0329BH06C	Gray Radiator Packing Insulation	Friable	1st Floor - Room 107	NA/PS	
0329BH07A	HVAC Isolation Flex Connector	Non-ACM	Attic	ND	
0329BH07B	HVAC Isolation Flex Connector	Non-ACM	Attic	ND	
0329BH07C	HVAC Isolation Flex Connector	Non-ACM	Attic	ND	
0329BH08A	Backing on Fiberglass Pipe Insulation	Non-ACM	1st Floor - Room 152	ND	
0329BH08B	Backing on Fiberglass Pipe Insulation	Non-ACM	1st Floor - Room 82	ND	
0329BH09A	White Plaster Cast Ceiling Beam	Non-ACM	2nd Floor - Room 61	ND	
0329BH09B	White Plaster Cast Ceiling Beam	Non-ACM	2nd Floor - Room 18	ND	



Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0329BH09C	White Plaster Cast Ceiling Beam	Non-ACM	1st Floor - Room 88	ND	
0329BH10A	Gray Ceiling Panel	Friable	Attic Mechanical Room	20% Chrysotile	
0329BH10B	Gray Ceiling Panel	Friable	Attic Mechanical Room	NA/PS	
0329BH10C	Gray Ceiling Panel Seam Strip	Friable	Attic Mechanical Room	NA/PS	
0329BH11A	Silver Ceiling Panel Backing	Non-ACM	Attic Mechanical Room	ND	
0329BH11B	Silver Ceiling Panel Backing	Non-ACM	Attic Mechanical Room	ND	
0329BH11C	Silver Ceiling Panel Backing	Non-ACM	Attic Mechanical Room	ND	
0329BH12A	Black Paper on Ceiling Deck	Non-ACM	Basement	ND	
0329BH12B	Black Paper on Ceiling Deck	Non-ACM	Basement	ND	
0329BH13A	Gypsum Wall Board	Non-ACM	Attic Mechanical Room	ND	
0329BH13B	Gypsum Wall Board	Non-ACM	2nd Floor Corridor at Room 35	ND	
0329BH13C	Gypsum Wall Board	Non-ACM	1st Floor - Room 96	ND	
0329BH14A	Taping/Joint Compound	Non-ACM	Attic Mechanical Room	ND	
0329BH14B	Taping/Joint Compound	Non-ACM	2nd Floor Corridor at Room 35	ND	
0329BH14C	Taping/Joint Compound	Non-ACM	1st Floor - Room 96	ND	
03 2 9BH15	Gypsum Wall Board & Taping/Joint Compound Composite	Non-ACM	3rd Floor - Room 2	ND	
0329BH16A	White 6" x 4" Glue-Set Ceiling Tile	Non-ACM	2nd Floor - Room 16	ND	
0329BH16B	White 6" x 4" Glue-Set Ceiling Tile	Non-ACM	1st Floor - Room 83	ND	
0329BH17A	Brown Glue Daub on 6" x 4" Ceiling Tile	Cat 2 NF	1st Floor - Room 83	4% Chrysotile	
0329BH17B	Brown Glue Daub on 6" x 4" Ceiling Tile	Cat 2 NF	2nd Floor - Room 36	NA/PS	
0329BH18A	White 1' x 1' Glue-Set Ceiling Tile (Rough Textured)	Non-ACM	1st Floor - Room 82	ND	
0329BH18B	White 1' x 1' Glue-Set Ceiling Tile (Rough Textured)	Non-ACM	2nd Floor Corridor	ND	
0329BH19A	Yellow Glue Daub on 1' x 1' Ceiling Tile (Rough Textured)	Non-ACM	1st Floor - Room 82	ND/ND	Yes
0329BH19B	Yellow Glue Daub on 1' x 1' Ceiling Tile (Rough Textured)	Non-ACM	Middle Stairwell	ND	
0329BH20A	White 1' x 1' Ceiling Tile (Smooth Pinhole)	Non-ACM	3rd Floor - Room 12	ND	
0329BH20B	White 1' x 1' Ceiling Tile (Smooth Pinhole)	Non-ACM	3rd Floor - Room 12	ND	



Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0329BH21A	White 2' x 4' Suspended Ceiling Tile	Non-ACM	3rd Floor - Room 4	ND	
0329BH21B	White 2' x 4' Suspended Ceiling Tile	Non-ACM	1st Floor - Room 97	ND	
0329BH22A	Black Damp-Proofing/Tar on Exterior Wall behind Plaster	Non-ACM	2nd Floor - Room 35	ND/ND	Yes
0329BH22B	Black Damp-Proofing/Tar on Exterior Wall behind Plaster	Non-ACM	Middle South Stairwell	ND	
0329BH22C	Black Damp-Proofing/Tar on Exterior Wall behind Plaster	Non-ACM	2nd Floor - Room 35	ND	
0329BH23A	Gray Cementitious Panel Radiator Top	Cat 2 NF	1st Floor - Room 82	20% Chrysotile	
0329BH23B	Gray Cementitious Panel Radiator Top	Cat 2 NF	1st Floor - Room 82	NA/PS	
0329BH24A	Blackboard	Non-ACM	3rd Floor - Room 4	ND	
0329BH24B	Blackboard	Non-ACM	3rd Floor - Room 4	ND	
0329BH25A	Black Sink Undercoating	Cat 2 NF	2nd Floor - Room 49	4% Chrysotile	
0329BH25B	Black Sink Undercoating	Cat 2 NF	2nd Floor - Room 49	NA/PS	
0329BH26A	White Countertop/Glue	Non-ACM	1st Floor - Room 96	ND/ND	Yes
0329BH26B	White Countertop/Glue	Non-ACM	1st Floor - Room 96	ND	
0329BH27A	Tan Countertop/Glue	Non-ACM	2nd Floor - Room 61	ND/ND	Yes
0329BH27B	Tan Countertop/Glue	Non-ACM	1st Floor - Room 97	ND	
0329BH28A	Blue Countertop/Glue	Non-ACM	2nd Floor - Room 25	ND/ND	Yes
0329BH28B	Blue Countertop/Glue	Non-ACM	2nd Floor - Room 25	ND	
0329BH29A	Black Countertop/Glue	Non-ACM	1st Floor - Room 104	ND/ND	Yes
0329BH29B	Black Countertop/Glue	Non-ACM	1st Floor - Room 104	ND	
	White Caulking on Electrical			10%	
0329BH30A	Wire Inside Metal Drinking	Cat 2 NF 3rd Floor	Chrysotile		
	Fountain				
	White Caulking on Electrical				
0329BH30B	Wire Inside Metal Drinking	Cat 2 NF	3rd Floor	NA/PS	
0329BH31A	Fountain Black Caulking on Electrical Wire	Non-ACM	Basement Mechanical Room	ND/ND	Yes
0329BH31B	Black Caulking on Electrical Wire	Non-ACM	Basement Mechanical Room	ND	
0329BH32A	Electrical Wire Coating	Non-ACM	3rd Floor - Room 4	ND	
0329BH32B	Electrical Wire Coating	Non-ACM	3rd Floor - Room 4	ND	
0329BH33A	Tan Interior Window Glazing	Non-ACM	2nd Floor - Room 25	ND/ND	Yes
0329BH33B	Tan Interior Window Glazing	Non-ACM	1st Floor - Room 82	ND	
0329BH33C	Tan Interior Window Glazing	Non-ACM	2nd Floor - Room 77	ND	
0329BH34A	Tan Ceramic Wall Tile	Non-ACM	3rd Floor - Room 4	ND	
0329BH34B	Tan Ceramic Wall Tile	Non-ACM	2nd Floor - Room 45	ND	



Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0329BH35A	Ceramic Wall Tile Grout	Non-ACM	3rd Floor - Room 4	ND	1100
0329BH35B	Ceramic Wall Tile Grout	Non-ACM	2nd Floor - Room 45	ND	
0329BH36A	Ceramic Wall Tile Thinset	Non-ACM	3rd Floor - Room 4	ND	
0329BH36B	Ceramic Wall Tile Thinset	Non-ACM	2nd Floor - Room 45	ND	
0327D1130D	Yellow Glue on Ceramic Wall	11011 110111	Zha i looi Room 13	TVD	
0329BH37A	Tile	Non-ACM	2nd Floor- Room 45	ND/ND	Yes
0329BH37B	Yellow Glue on Ceramic Wall Tile	Non-ACM	2nd Floor - Room 45	ND	
0329BH38A	Black Glue on Ceramic Wall Tile	Cat 2 NF	3rd Floor - Room 4	15% Chrysotile	
0329BH38B	Black Glue on Ceramic Wall Tile	Cat 2 NF	2nd Floor - Room 40	NA/PS	
0329BH39A	Gray Ceramic Wall Tile	Non-ACM	2nd Floor - Room 40	ND	
0329BH39B	Gray Ceramic Wall Tile	Non-ACM	2nd Floor-Room 40	ND	
0329BH40A	Ceramic Wall Tile Grout	Non-ACM	2nd Floor-Room 40	ND	
0329BH40B	Ceramic Wall Tile Grout	Non-ACM	2nd Floor - Room 40	ND	
0329BH41A	Pink Ceramic Wall Tile	Non-ACM	2nd Floor-Room 40	ND	
0329BH41B	Pink Ceramic Wall Tile	Non-ACM	2nd Floor Corridor - Women's Bathroom	ND	
0329BH42A	Ceramic Wall Tile Grout	Non-ACM	2nd Floor Corridor - Women's Bathroom	ND	
0329BH42B	Ceramic Wall Tile Grout	Non-ACM	2nd Floor Corridor - Women's Bathroom	ND	
0329BH43A	Yellow Ceramic Wall Tile	Non-ACM	1st Floor - Room 127	ND	
0329BH43B	Yellow Ceramic Wall Tile	Non-ACM	1st Floor - Room 127	ND	
0329BH44A	Ceramic Wall Tile Grout	Non-ACM	1st Floor - Room 127	ND	
0329BH44B	Ceramic Wall Tile Grout	Non-ACM	1st Floor - Room 127	ND	
0329BH45A	Yellow/White Ceramic Wall Block	Non-ACM	2nd Floor - Room 44	ND	
0329BH45B	Yellow/White Ceramic Wall Block	Non-ACM	2nd Floor - Room 49	ND	
0329BH46A	Ceramic Wall Block Grout	Non-ACM	2nd Floor - Room 44	ND	
0329BH46B	Ceramic Wall Block Grout	Non-ACM	2nd Floor - Room 49	ND	
0329BH47A	Tan Ceramic Wall Block	Non-ACM	Southwest Stairwell	ND	
0329BH47B	Tan Ceramic Wall Block	Non-ACM	Northwest Stairwell	ND	
0329BH48A	Ceramic Wall Block Grout	Non-ACM	Southwest Stairwell	ND	
0329BH48B	Ceramic Wall Block Grout	Non-ACM	Northwest Stairwell	ND	
0329BH49A	Tan/Brown Ceramic Floor Tile	Non-ACM	3rd Floor - Room 4	ND	
0329BH49B	Tan/Brown Ceramic Floor Tile	Non-ACM	3rd Floor - Room 4	ND	
0329BH50A	Ceramic Floor Tile Grout	Non-ACM	3rd Floor - Room 4	ND	
0329BH50B	Ceramic Floor Tile Grout	Non-ACM	3rd Floor - Room 4	ND	
0329BH51A	Tan Ceramic Floor Tile	Non-ACM	1st Floor - Room 127	ND	
0329BH51B	Tan Ceramic Floor Tile	Non-ACM	1st Floor - Room 127	ND	



Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0329BH52A	Ceramic Floor Tile Grout	Non-ACM	1st Floor - Room 127	ND	1105
0329BH52B	Ceramic Floor Tile Grout	Non-ACM	1st Floor - Room 127	ND	
0329BH53A	White/Gray Ceramic Floor Tile	Non-ACM	2nd Floor - Room 40	ND	
0329BH53B	White/Gray Ceramic Floor Tile	Non-ACM	2nd Floor - Room 24	ND	
0329BH54A	Ceramic Floor Tile Grout	Non-ACM	2nd Floor - Room 40	ND	
0329BH54B	Ceramic Floor Tile Grout	Non-ACM	2nd Floor-Room 24	ND	
0329BH55A	Ceramic Floor Tile Thinset	Non-ACM	2nd Floor - Room 40	ND	
0329BH55B	Ceramic Floor Tile Thinset	Non-ACM	2nd Floor - Room 40	ND	
0329BH56A	White with Gray Specks Ceramic Floor Tile	Non-ACM	2nd Floor - Room 63	ND	
0329BH56B	White with Gray Specks Ceramic Floor Tile	Non-ACM	1st Floor-Room 92	ND	
0329BH57A	Ceramic Floor Tile Grout	Non-ACM	2nd Floor-Room 63	ND	
0329BH57B	Ceramic Floor Tile Grout	Non-ACM	1st Floor - Room 92	ND	
0329BH58A	Pink Ceramic Floor Tile	Non-ACM	2nd Floor Corridor Women's Bathroom	ND	
0329BH58B	Pink Ceramic Floor Tile	Non-ACM	1st Floor Corridor Women's Bathroom	ND	
0329BH59A	Ceramic Floor Tile Grout	Non-ACM	2nd Floor Corridor Women's Bathroom	ND	
0329BH59B	Ceramic Floor Tile Grout	Non-ACM	1st Floor Corridor Women's Bathroom	ND	
0329BH60A	6" Brown Cove Base	Non-ACM	2nd Floor - Room 41	ND	
0329BH60B	6" Brown Cove Base	Non-ACM	3rd Floor - Room 2	ND	
0329BH61A	6" Black Cove Base	Non-ACM	2nd Floor - Room 22	ND	
0329BH61B	6" Black Cove Base	Non-ACM	2nd Floor - Room 22	ND	
0329BH62A	Brown Cove Base Glue	Non-ACM	2nd Floor - Room 41	ND/ND	Yes
0329BH62B	Brown Cove Base Glue	Non-ACM	2nd Floor - Room 22	ND	
0329BH63A	Black Slate Cove Base	Non-ACM	1st Floor Lobby	ND	
0329BH63B	Black Slate Cove Base	Non-ACM	1st Floor Lobby	ND	
0329BH64A	Black Slate Stair Tread	Non-ACM	Middle Stairwell	ND	
0329BH64B	Black Slate Stair Tread	Non-ACM	Middle Stairwell	ND	
0329BH65A	Terrazzo Floor	Non-ACM	2nd Floor - Room 49	ND	
0329BH65B	Terrazzo Floor	Non-ACM	2nd Floor - Room 14	ND	
0329BH66A	Yellow Stair Tread Glue	Non-ACM	Northeast Stairwell	ND/ND	Yes
0329BH66B	Yellow Stair Tread Glue	Non-ACM	Northeast Stairwell	ND	
0329BH67A	Yellow Carpet Glue	Non-ACM	3rd Floor - Room 4	ND/ND	Yes
0329BH67B	Yellow Carpet Glue	Non-ACM	2nd Floor - Room 42	ND	
0329BH68A	Black Floor Leveler at Corridor Doorway	Non-ACM	Basement	ND	
0329BH68B	Black Floor Leveler at Corridor Doorway	Non-ACM	Basement	ND	



Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0329BH69A	Black Floor Mastic	Cat 2 NF	3rd Floor - Room 1	ND/5.9% Chrysotile	Yes
0329BH69B	Black Floor Mastic	Cat 2 NF	2nd Floor - Room 18	4% Chrysotile	
0329BH69C	Black Floor Mastic	Non-ACM	1st Floor - Room 116	NA/PS	
0329BH70A	Terracotta Block	Non-ACM	Attic	ND	
0329BH70B	Terracotta Block	Non-ACM	Attic	ND	
0329BH71A	Terracotta Block Grout	Non-ACM	Attic	ND	
0329BH71B	Terracotta Block Grout	Non-ACM	Attic	ND	
0329BH72A	Brick	Non-ACM	Attic	ND	
0329BH72B	Brick	Non-ACM	Basement	ND	
0329BH73A	Brick Grout	Non-ACM	Attic	ND	
0329BH73B	Brick Grout	Non-ACM	Basement	ND	
0329BH74A	Dark Gray Concrete Block	Non-ACM	Attic-Mechanical Room	ND	
0329BH74B	Dark Gray Concrete Block	Non-ACM	Attic-Mechanical Room	ND	
0329BH75A	Concrete Block Grout	Non-ACM	Attic-Mechanical Room	ND	
0329BH75B	Concrete Block Grout	Non-ACM	Attic-Mechanical Room	ND	
0329BH76A	Light Gray Concrete Block	Non-ACM	Basement	ND	
0329BH76B	Light Gray Concrete Block	Non-ACM	Basement	ND	
0329BH77A	Concrete Block Grout	Non-ACM	Basement	ND	
0329BH77B	Concrete Block Grout	Non-ACM	Basement	ND	
0329BH78A	Skim Coat Concrete on Terracotta Wall	Cat 2 NF	1st Floor - Room 138	2% Chrysotile	
0329BH78B	Skim Coat Concrete on Terracotta Wall	Cat 2 NF	1st Floor - Room 138	NA/PS	
0329BH79A	Concrete Window Sill Underlayment	Non-ACM	3rd Floor - Room 4	ND	
0329BH79B	Concrete Window Sill Underlayment	Non-ACM	3rd Floor - Room 4	ND	
0329BH80A	Exterior Window Glazing Compound	Cat 2 NF	Exterior Metal Window Systems- Associated with Brick	8% Chrysotile	
0329BH80B	Exterior Window Glazing Compound	Cat 2 NF	Exterior Metal Window Systems- Associated with Brick	NA/PS	
0329BH80C	Exterior Window Glazing Compound	Cat 2 NF	Exterior Metal Window Systems- Associated with Brick	NA/PS	
0329BH81A	Exterior Window Glazing Compound	Cat 2 NF	Exterior Metal Window Systems (Crank-Out)	2% Chrysotile	
0329BH81B	Exterior Window Glazing Compound	Cat 2 NF	Exterior Metal Window Systems (Crank-Out)	NA/PS	



Sample No.	Material Type	NESHAP	Sample Location	Asbestos	EPA TEM
	Exterior Window Glazing	Category	Exterior Metal	Content	NOB
0329BH81C	Compound	Cat 2 NF	Window Systems (Crank-Out)	NA/PS	
0329BH82A	Exterior Window Caulking	Cat 2 NF	Exterior Metal Window Systems-	8% Chrysotile	
	Compound		Associated with Brick	•	
0329BH82B	Exterior Window Caulking	Cat 2 NF	Exterior Metal Window Systems-	NA/PS	
	Compound		Associated with Brick		
0329BH82C	Exterior Window Caulking	Cat 2 NF	Exterior Metal Window Systems-	NA/PS	
	Compound		Associated with Brick		
0329BH83A	Exterior Window Caulking	Cat 2 NF	Exterior Metal Window Systems-	5% Chrysotile	
	Compound		(Crank-Out) Exterior Metal		
0329BH83B	Exterior Window Caulking	Cat 2 NF	Window Systems-	NA/PS	
	Compound		(Crank-Out) Exterior Metal		
0329BH83C	Exterior Window Caulking Compound	Cat 2 NF	Window Systems-	NA/PS	
	-		(Crank-Out)		
0329BH84A	Exterior Door Caulking Compound	Cat 2 NF	Exterior Door Systems	8% Chrysotile	
0329BH84B	Exterior Door Caulking Compound	Cat 2 NF	Exterior Door Systems	NA/PS	
0329BH84C	Exterior Door Caulking Compound	Cat 2 NF	Exterior Door Systems	NA/PS	
0329BH85A	Gray Exterior Remnant Caulking Compound	Non-ACM	Exterior Brick-South	ND/ND	Yes
0329BH85B	Gray Exterior Remnant Caulking Compound	Non-ACM	Exterior Brick- Southwest	ND	
0 32 9BH86A	Black Damproofing under Concrete/Limestone Window Sill	Non-ACM	Exterior Window Sill	ND/<0.1% Chrysotile	Yes
0329BH86B	Black Damproofing under Concrete/Limestone Window Sill	Non-ACM	Exterior Window Sill	ND	
0329BH87A	Black Dampproofing under Concrete/Limestone Apron	Non-ACM	Exterior Lower Concrete Apron	ND/ND	Yes
0329BH87B	Black Dampproofing under Concrete/Limestone Apron	Non-ACM	Exterior Lower Concrete Apron	ND	
0329BH88A	Concrete/Limestone Sill	Non-ACM	Exterior Window Sill	ND	
0329BH88B	Concrete/Limestone Sill	Non-ACM	Exterior Window Sill	ND	



Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0329BH89A	Concrete/Limestone Apron	Non-ACM	Exterior Lower Apron	ND	
0329BH89B	Concrete/Limestone Apron	Non-ACM	Exterior Lower Apron	ND	
0329BH90A	Concrete Limestone Apron Grout	Non-ACM	Exterior Lower Apron	ND	
0329BH90B	Concrete Limestone Apron Grout	Non-ACM	Exterior Lower Apron	ND	
0329BH91A	Exterior Brick	Non-ACM	Exterior	ND	
0329BH91B	Exterior Brick	Non-ACM	Exterior	ND	
0329BH92A	Exterior Brick Grout	Non-ACM	Exterior	ND	
0329BH92B	Exterior Brick Grout	Non-ACM	Exterior	ND	
0329BH93A	Exterior Concrete Step Grout	Non-ACM	Exterior Stairs	ND	
0329BH93B	Exterior Concrete Step Grout	Non-ACM	Exterior Stairs	ND	
0329BH94A	Gray Caulking on Concrete Steps	Non-ACM	Exterior Stairs	ND/ND	Yes
0329BH94B	Gray Caulking on Concrete Steps	Non-ACM	Exterior Stairs	ND	
0329BH95A	Compatitions Boof Shired	Cat 2 NF	Everagion Doof Systems	20%	
U327DF175A	Cementitious Roof Shingle	Cat 2 NF	Exterior Roof System	Chrysotile	
0329BH95B	Cementitious Roof Shingle	Cat 2 NF	Exterior Roof System	NA/PS	
0329BH96A	Roof Base Sheet	Non-ACM	Exterior Roof System	ND	
0329BH96B	Roof Base Sheet	Non-ACM	Exterior Roof System	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

Comendo No	Commission of Suspect 18800000 Containing Tracter Materials Bata						
Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content			
SPS0329BH -01	Gray Base Coat Wall	Non-ACM	Attic Stairwell	0.49% Chrysotile			
	Plaster			y			
CDC0220DII 02	Gray Base Coat Wall	NI ACM	2 1 El D 2	0.500/.61 /.1			
SPS0329BH- 02	Plaster	Non-ACM	3rd Floor - Room 2	0.58% Chrysotile			
SPS0329BH- 03	Gray Base Coat Wall	Non-ACM	3rd Floor - Room 5	0.500/			
5P50329BH- 03	Plaster			0.59% Chrysotile			
CDC0220DII 04	Gray Base Coat Ceiling	Non-ACM	2 1 El D 1	0.750/ 61			
SPS0329BH- 04	Plaster	Non-ACM	3rd Floor - Room 1	0.75% Chrysotile			
CDC0220DII OF	Gray Base Coat Wall	NI ACM	2 1 E1 D 0	0.120/ 61 /1			
SPS0329BH- 05	Plaster	Non-ACM	3rd Floor - Room 9	0.12% Chrysotile			
CDC0220DIL 04	Gray Base Coat Ceiling	NI ACM	2 1 El D 7	0.000/ 61 - 41			
SPS0329BH- 06	Plaster	Non-ACM	3rd Floor - Room 7	0.89% Chrysotile			



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 07	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 6	0.47% Chrysotile
SPS0329BH- 08	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 10	0.35% Chrysotile
SPS0329BH- 09	Gray Base Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 5	0.51% Chrysotile
SPS0329BH- 10	Gray Base Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 9	0.99% Chrysotile
SPS0329BH- 11	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 11	0.94% Chrysotile
SPS0329BH- 12	Gray Base Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 3	0.61% Chrysotile
SPS0329BH- 13	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 18	1.04% Chrysotile*
SPS0329BH- 14	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 20	0.57% Chrysotile
SPS0329BH- 15	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 37	1.12% Chrysotile*
SPS0329BH- 16	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 13	0.20% Chrysotile
SPS0329BH- 17	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 12	0.57% Chrysotile
SPS0329BH- 18	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 28	0.24% Chrysotile
SPS0329BH- 19	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 51	0.83% Chrysotile
SPS0329BH- 20	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 28	0.84% Chrysotile
SPS0329BH- 21	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 43	0.45% Chrysotile
SPS0329BH- 22	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 76	0.58% Chrysotile
SPS0329BH- 23	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 25	0.70% Chrysotile
SPS0329BH- 24	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 13	0.66% Chrysotile
SPS0329BH- 25	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 35	0.58% Chrysotile
SPS0329BH- 26	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 51	0.48% Chrysotile
SPS0329BH- 27	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 37	0.94% Chrysotile
SPS0329BH- 28	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 35	1.25% Chrysotile*



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 29	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 41	1.26% Chrysotile*
SPS0329BH- 30	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor-Corridor at Room 35	0.85% Chrysotile
SPS0329BH- 31	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 61	1.07% Chrysotile*
SPS0329BH- 32	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 76	0.80% Chrysotile
SPS0329BH- 33	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 46	1.33% Chrysotile*
SPS0329BH- 34	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 61	1.27% Chrysotile*
SPS0329BH- 35	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 43	0.24% Chrysotile
SPS0329BH- 36	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 61	1.20% Chrysotile*
SPS0329BH- 37	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 18	1.20% Chrysotile*
SPS0329BH- 38	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 33	0.94% Chrysotile
SPS0329BH- 39	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 68	1.19% Chrysotile*
SPS0329BH- 40	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 41	0.69% Chrysotile
SPS0329BH- 41	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 44	0.60% Chrysotile
SPS0329BH42	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor-Corridor at Room 35	0.96% Chrysotile
SPS0329BH- 43	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 46	0.64% Chrysotile
SPS0329BH- 44	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 68	0.33% Chrysotile
SPS0329BH- 45	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 25	0.33% Chrysotile
SPS0329BH- 46	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 50	1.06% Chrysotile*
SPS0329BH- 47	Gray Base Coat Wall Plaster	Non-ACM	1st Floor-Middle Stairwell	ND
SPS0329BH- 48	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 97	0.68% Chrysotile
SPS0329BH- 49	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 152	0.32% Chrysotile
SPS0329BH- 50	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 121	0.33% Chrysotile



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 51	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 131	ND
SPS0329BH- 52	Gray Base Coat Ceiling Plaster	Non-ACM	Non-ACM 1st Floor - Room 131	
SPS0329BH- 53	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 143	0.33% Chrysotile
SPS0329BH- 54	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 83	ND
SPS0329BH- 55	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 147	0.12% Chrysotile
SPS0329BH- 56	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 147	< 0.17% Chrysotile
SPS0329BH- 57	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 140	0.51% Chrysotile
SPS0329BH- 58	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 146	0.64% Chrysotile
SPS0329BH- 59	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 83	0.86% Chrysotile
SPS0329BH- 60	Gray Base Coat Wall Plaster	Non-ACM	1st Floor- Southeast Stairwell	ND
SPS0329BH- 61	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 110	0.35% Chrysotile
SPS0329BH- 62	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 97	0.42% Chrysotile
SPS0329BH- 63	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 148	0.58% Chrysotile
SPS0329BH- 64	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 110	0.32% Chrysotile
SPS0329BH- 65	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 88	< 0.17% Chrysotile
SPS0329BH- 66	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 115	0.34% Chrysotile
SPS0329BH- 67	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 115	0.49% Chrysotile
SPS0329BH- 68	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 82	0.30% Chrysotile
SPS0329BH- 69	Gray Base Coat Wall Plaster	Non-ACM	1st Floor-Basement	0.23% Chrysotile
SPS0329BH- 70	Gray Base Coat Wall Plaster	Non-ACM	1st Floor-Northeast Stairwell	0.12% Chrysotile
SPS0329BH- 71	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 139	0.25% Chrysotile
SPS0329BH- 72	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 116	0.46% Chrysotile



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 73	Gray Base Coat Wall Plaster	Non-ACM	Non-ACM 1st Floor - Room 152	
SPS0329BH- 74	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 88	0.97% Chrysotile
SPS0329BH- 75	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 132	0.35% Chrysotile
SPS0329BH- 76	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Middle Stairwell	1.23% Chrysotile*
SPS0329BH- 77	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 139	0.10% Chrysotile
SPS0329BH- 78	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 135	0.86% Chrysotile
SPS0329BH- 79	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - South Middle Stairwell	0.53% Chrysotile
SPS0329BH- 80	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 136	0.93% Chrysotile
SPS0329BH- 81	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 126	ND
SPS0329BH- 82	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 131	0.90% Chrysotile
SPS0329BH- 83	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 150	0.65% Chrysotile
SPS0329BH- 84	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Northwest Stairwell	ND
SPS0329BH- 85	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 121	0.85% Chrysotile
SPS0329BH- 86	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 116	0.23% Chrysotile
SPS0329BH- 87	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 80	0.99% Chrysotile
SPS0329BH- 88	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 133	1.21% Chrysotile*
SPS0329BH- 89	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Corridor at Room 115	1.08% Chrysotile*
SPS0329BH- 90	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 139	0.31% Chrysotile
SPS0329BH- 91	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Southwest Stairwell	1.07% Chrysotile*
SPS0329BH- 92	Gray Base Coat Ceiling Plaster	Non-ACM		
SPS0329BH- 93	White Skim Coat Wall Plaster	Non-ACM	Attic Stairwell	ND
SPS0329BH- 94	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 2	ND



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 95	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 5	ND
SPS0329BH- 96	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 1	ND
SPS0329BH- 97	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 9	ND
SPS0329BH- 98	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 7	ND
SPS0329BH- 99	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 6	ND
SPS0329BH- 100	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 10	ND
SPS0329BH- 101	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 5	ND
SPS0329BH- 102	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 9	ND
SPS0329BH- 103	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 11	ND
SPS0329BH- 104	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 3	ND
SPS0329BH- 105	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 18	ND
SPS0329BH- 106	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 20	ND
SPS0329BH- 107	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 13	ND
SPS0329BH- 108	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 12	ND
SPS0329BH- 109	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 28	ND
SPS0329BH- 110	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 41	ND
SPS0329BH- 11	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Corridor at Room 35	ND
SPS0329BH- 112	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 61	ND
SPS0329BH- 113	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 46	ND
SPS0329BH- 114	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 61	ND
SPS0329BH- 115	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 51	ND
SPS0329BH- 116	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 28	ND



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 117	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 43	ND
SPS0329BH- 118	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 76	ND
SPS0329BH- 119	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 25	ND
SPS0329BH- 120	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room13	ND
SPS0329BH- 121	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 35	ND
SPS0329BH- 122	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 51	ND
SPS0329BH- 123	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 37	ND
SPS0329BH- 124	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 35	ND
SPS0329BH- 125	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 43	ND
SPS0329BH- 126	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 61	ND
SPS0329BH- 127	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 18	ND
SPS0329BH- 128	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 33	ND
SPS0329BH- 129	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 65	ND
SPS0329BH- 130	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 41	ND
SPS0329BH- 131	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 44	ND
SPS0329BH- 132	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Corridor at Room 35	ND
SPS0329BH- 133	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 46	ND
SPS0329BH- 134	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 25	ND
SPS0329BH- 135	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 50	ND
SPS0329BH- 136	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Middle Stairwell	ND
SPS0329BH- 137	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 97	ND
SPS0329BH- 138	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 121	ND



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 139	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 131	ND
SPS0329BH- 140	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 143	ND
SPS0329BH- 141	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 83	ND
SPS0329BH- 142	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 147	ND
SPS0329BH- 143	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 140	ND
SPS0329BH- 144	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Southeast Stairwell	ND
SPS0329BH- 145	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 110	ND
SPS0329BH- 146	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 148	ND
SPS0329BH- 147	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 88	ND
SPS0329BH- 148	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 115	ND
SPS0329BH- 149	White Skim Coat Wall Plaster	Non-ACM	Basement	ND
SPS0329BH- 150	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 139	ND
SPS0329BH- 151	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Northeast Stairwell	ND
SPS0329BH- 152	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 116	ND
SPS0329BH- 153	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 152	ND
SPS0329BH- 154	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 132	ND
SPS0329BH- 155	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 139	ND
SPS0329BH- 156	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - South Middle Stairwell	ND
SPS0329BH- 157	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 136	ND
SPS0329BH- 158	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 126	ND
SPS0329BH- 159	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 131	ND
SPS0329BH- 160	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 150	ND



Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0329BH- 161	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Northwest Stairwell	ND
SPS0329BH- 162	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 116	ND
SPS0329BH- 163	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 80	ND
SPS0329BH- 164	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Corridor at Room 115	ND
SPS0329BH- 165	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 139	ND
SPS0329BH- 166	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Southwest Stairwell	ND
SPS0329BH- 167	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 116	ND

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

ND=None Detected

NA/PS = Not Analyzed/Positive Stop

Table 2
Summary of Asbestos-Containing Materials

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
White Pipe Insulation & Gray Mudded Pipe Fitting Insulation	Throughout Building	60% – 70% Chrysotile	5,238	Damaged Material & Debris Exists Throughout.
Gray Radiator Insulation & Corrugated Insulation Paper	Radiator Systems Throughout	40% – 50% Chrysotile	154 EA	
Gray Ceiling Panels & associated Seam Strip	Attic Mechanical Room	20% Chrysotile	93 SF	
Brown Glue Daubs on Rectangular (6" x 4") Ceiling Tiles	Throughout 1st & 2nd Floors	2% Chrysotile	16,000 SF	
Gray Cementitious Panel Radiator Top	1st Floor - Room 82	20% Chrysotile	15 SF	
Black Sink Undercoating	2nd Floor - Room 49 & 1st Floor - Room 49	4% Chrysotile	2 EA	
White Caulking on Electrical Wire Inside Metal Drinking Fountain	Corridors & Lobby Areas	10% Chrysotile	10 EA	
Black Glue on Ceramic Wall Tile	3rd Floor - Room 4 & 2nd Floor - Room 40	15% Chrysotile	278 SF	Material is isolated to exterior window areas.



Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Floor Tile (Various Sizes & Colors) & Black Floor Mastic	Throughout Building	4% – 5.9% Chrysotile	60 ,1 58 SF	All Floor Tile is Considered Contaminated by ACM Black Floor Mastic & Must Be Removed & Disposed as ACM.
Skim Coat Concrete on Terracotta Wall	1st Floor - Room 138	2% Chrysotile	89 SF	
Exterior Window Glazing & Caulking Compounds	Exterior Metal Window Systems	2% – 8% Chrysotile	312 Window Systems	5 different types of window systems exist
Exterior Door Caulking Compounds	Exterior Door Systems	8% Chrysotile	8 Door Systems	
Cementitious Roof Shingles & associated Flashing/Tar	Exterior Roof System	20% Chrysotile	34, 800 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	3rd Floor	2nd Floor	1st Floor	Basement	Total
Pigeon Guano	Scattered & within Sinks 5 - 10 ft ³	Scattered & within Sinks 5 - 10 ft ³	Scattered & within Sinks 2 - 4 ft ³	0	0	12 - 24 ft ³
PCB Light Ballasts	4	150	228	178	44	604
2 " x 4' Mercury Light Tubes	4	150	210	152	44	560
2" Round Mercury Bulbs	0	0	18	26	0	44
Wall-Mounted Mercury Tubes	0	0	3	9	0	12
Switches	0	1	0	0	0	1
Emergency Lights	0	4	8	10	8	30
Exit Lights	0	3	9	9	10	31
Transformer	0	0	0	1	3	4
Fuse Box	0	0	4	5	1	10
Drinking Water Fountain	0	4	3	3	0	10
Circuit Board	0	0	1	0	1	2
Air Conditioner	0	2	1	0	0	3
Backup Generator	0	0	0	0	4	4
Batteries	0	0	0	0	29	29



Waste Type	Attic	3rd Floor	2nd Floor	1st Floor	Basement	Total
Water Pump	0	0	0	0	1	1
Reservoir with	0	0	0	0	1	1
Unknown Liquid	U	U	U	U	1	1



Appendix A

Limitations



APPENDIX A - LIMITATIONS

Shelton House Keating Farms Avenue 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 Lead that must be managed prior to demolition activities that may disturb these materials at the subject property. 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 (above-ground) 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 limited 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 Licenses and Accreditations

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1001143 GLAV 0.378 **AUTO: 16 L0564 06040-599246 ... COL-POLE46 L

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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:

MANCHESTER CT 06040-5992

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

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

Sincerely,

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

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. D3-147893

EMPLOYER'S COPY

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBINS

VALIDATION NO. 03-147893

CERTIFICATE NO. 002156

CURRENT THROUGH 01/31/16

PROFESSION

LEAD INSPECTOR

INSTRUCTIONS:

VALIDATION NO.

03-147893

- t. Detach and sing cuch of the cards on this torse
- t. Chaptey the large card in a prominent place in your office or place of husiness.
- 3. The walket card is for you to carry on year person. If you do not wish to carry the walter card, place 4 in a secure place.
- 4. The employer's copy is for persons who must descinate current fleening extilication in order to retain employment or privileges. The compleyer's card is to be presented to the comployer and kept by them as a part of your personnel Gie. Only one copy of this curd can be supplied to you.

WALLET CARD

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBINS

CERTIFICATÉ NO. 002156

CURRENT THROUGH 01/31/16

PROPESSION LEAD INSPECTOR

Certificate of Training

uss & O'Neill Enviro Science in. Manchester, CT with the prior

approval of the CTDPH. 146 HARTFORD ROAD, MANCHESTER, CT 06040 JOHN ROBERT HOBBINS

Awarded to

has successfully completed a 7 hour, 4 day

Lead Inspector Refresher Training

This training course was Department of Hoa

Mystic Air Quality Consul

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

Exam Date: 02/19/2015 Exam Grade: 100 Certificate Number: LITR23753

Expiration Date: 02/19/2016

Chillistopher J. Edent, CH., CSP, RS

Richard Haffley, Training Director

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



իլվելիցըվեցերեՍիՍեսԱվելԱհյդիօգեցիվու 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 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely.

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

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC REALTH

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

CURRENTTHROUGH 01/31/17

VALIDATION NO. 03-372678

EMPLOYER'S COPY

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBINS

VALIDATION NO. 03-372678

CERTIFICATE NO.

002156

01/31/17

CURRENT THROUGH

PROFESSION

LEAD INSPECTOR

INSTRUCTIONS:

VALIDATION NO.

03-372678

- I, Detach and sign each of the circle on this form
- 2. Display the large eard in a prominent place in your office or place of business.
- 3. The wallet card is for you to earry 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 coupleyment or privileges. The employer's eard 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.

WALLET CARD

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

JOHN R. HOBBINS

CERTIFICATE NO.

CURRENT THROUGH 01/31/17

002156 PROFESSION LEAD INSPECTOR



146 HARTFORD ROAD, MANCHESTER, CT 06040 Fuss & O'Neill Enviro Science in. Manchester, CT with the prior This program was presented at approval of the CTDPH.

Awarded to

JOHN ROBERT HOBBINS

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

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

1204 North Road, Groton, CT 06340 (800) 247-7746 Mystic Air Quality Consultants, Inc.

Certificate Number: LITR24774

Christopher J. Eident, CIH, CSP, RS

Exam Grade: 97

Expiration Date: 02/18/2017

Exam Date: 02/18/2016

George Williamson, Training Director

Richard Haffey, Training Director



1001144 01 AV 0,378 **AUTO 16 1 0564 06040 599246 C01 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 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

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

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC BEALTH

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

EMPLOYER'S COPY

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBINS

VALIDATION NO. 03-147894

CERTIFICATE NO.

000700

CURRENT THROUGH 01/31/16

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

INSTRUCTIONS:

03-147894

1. Deruch and sign such of the eards on this form

Display the large exed in a pruniment place in your affice or place of business.

3. The wallet card is for you to carry on your person. If you do not wish to care; the walls

4. The employer's copy is for persons who must demonstrate currons becomes/certification in order to retain corplayment or privileges. The employer's card is to be presented to the imployer and kept by them as a part of your personnel file. Only one copy of this surd can he supplied to you.

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBINS

VALIDATION NO. CERTIFICATE NO. CURRENT THROUGH

000700

01/31/16

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

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

Robert L. May, Jr., Training Manager

John Rowinski, Principal Instructor

September 3, 2014

Date of Course

September 3, 2014

Examination Date

September 3, 2015

AI-R-09/14-6
Certificate Number

Expiration Date

1001311-0601317-0000001 of 0000001-Coll-ald00101-1564-01314

[00131] OLAV 0.378 MAUTO: 16/2 1564 06040-599246 C01-P01314-1

ին բերան կերև ինկարերին հերանի անգարարի արգրանին արգրանին արգրանին արգրանին արգրանին արգրանին արգրանին արգրան JAMES B BLUM FUSS & O'NEILL ENVIROSCIENCE LLC 146 HARTFORD RD MANCHESTER CT 06040-5992

Dear JAMES B BLUM,

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

> STATE OF CONNECTICUT DEPARTMENT OF PUBLIC REALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

CERTIFICATE NO.

JAMES B BLUM

000841

CURRENT THROUGH 11/30/15

VALIDATION NO. 03-119676

EMPLOYER'S COPY

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

VALIDATION NO. 03-119676

ſ,

JAMES B BLUM CERTIFICATE NO 000841

CURRENT THROUGH 11/30/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

INSTRUCTIONS:

VALIDATION NO.

03-119676

i. Detack and sign each of the cards on this form

Diaghay the furge eard is a prominent place in your office or place of business.
 The wallet card is for you to hirry on your person. If you do not wish to carry the wallet

4. The employed's copy is for persons who must demonstrate correct floureure excellention in urder to retain employment in privileges. The employer's card is to be presented to the employer and kept by them so a part of your personnel file. Only one copy of this card can he supplied to you.

WALLET CARD

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JAMES B BLUM

CERTIFICATE NO.

CURRENT THROUGH 11/30/15

000841

PROFESSION ASBESTOS CONSULTANT-INSPECTOR

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

James Blum

xxx-xx-1625

has successfully completed the
4 Hr. Asbestos Inspector Refresher
Asbestos Accreditation under TSCA Title II

July Linguist

Jahn Rowinski, Principal Instructor

September 3, 2014

Date of Course

AI-R-09/14-2

Certificate Number

September 3, 2015
Expiration Date

September 3, 2014

Examination Date

JAMES B BLUM FUSS & O'NEILL ENVIROSCIENCE LLC 146 HARTFORD RD MANCHESTER, CT 06040-5992

Dear Licensed/Certified Professional.

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

Department of Public Health

(860) 509-7603

P.O. Box 340308

M.S.#12MQA

http://www.dph.state.ct.us

Hartford, CT 06134-0308

Sincerely,

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

INSTRUCTIONS:

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC REALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTIONS

THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A Lead Inspector Risk Assessor

CERTIFICATION NO.

JAMES B BLUM

2256

CURRENT THROUGH 11/30/2015

VALIDATION NO.

DUPLICATE

COMMISSIONER

EMPLOYER'S CONT

STATE OF CONNECTICUT DEPARTMENT OF PIMERO WEALTH

JAMES B BLUM

VALIDATION NO

DUPLICATE

CERTIFICATION NO.

CLIRCH THE CHAIN! 11/30/2015

Mar 2256

Lead Inspector Risk Assessor

AND PELLAN

STATE OF CONNECTICUT DEPAREMENT OF PUBLIC YOLASTI

VALEDATION AC

JAMES B BLUM CERTIFICATION NO.

DUPLICATE

2256

CURRIENT THREE 481 11/30/2015

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Lead Inspector Risk Assessor

Certificate of Training

Puss & O'Neill Enviro Science in. This program was presented at

Manchester, CT with the prior approval of the CTDPH. 146 HARTFORD ROAD, MANCHESTER, CT 06040 JAMES BLUM

Lead Inspector Risk Assassor Refresher Has successfully completed a 7 ftr, f day

February #1 & 17, 2015

This training course was al Department of Ek

Expiration Date: 02/17/2016 (800) 247-7746 1204 North Road, Groton, CT 06340

ber: 95CTLDRARF Exam Grade: 96

Exam Date: 62/17/2015 Mystic Air Quality Consul

Certificate Number: 95CTLDRARF

23744

Christopher J. Eident, CIH, CSP, RS

Seorge Williamson, Training Director

Richard Haffey, Training Director

1001308-0001314-0000001 of 0000001-C01-a1d00101-1564-01311

1001308 01 AV 0.378 **AUTO T6 2 1564 06040-599246 C01 P01311 F



իրեվլդիսպիլիսիեներոներյունիցունից THOMAS M. CRUESS 146 HARTFORD RD MANCHESTER CT 06040-5992

Dear THOMAS M. CRUESS,

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

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

THOMAS M. CRUESS

CERTIFICATE NO 000210

CURRENT THROUGH

11/30/15

VALIDATION NO. 03-119408

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

THOMAS M. CRUESS

VALIDATION NO. 03-119408

CERTIFICATE NO.

000210

CURRENT THROUGH 11/30/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

COMMISSIONER

INSTRUCTIONS:

VALIDATION NO.

03-119408

SIGNATURE

- L. Detach awil sign such of the cards on this form
- 2. Display the large eard 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 legislating.
- 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 eard can be supplied to you.

WALLET CARD

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

THOMAS M. CRUESS CERTIFICATE NO.

CURRENT THROUGH

000210 11/30/15

ROFESSION ASBESTOS CONSULTANT-INSPECTOR

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

Thomas Cruess

9958-xx-xxx

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

Robert L. May, Jr., Training Manager

John Rowinski, Principal Instructor

September 3, 2014

Date of Course

September 3, 2014

Examination Date

AI-R-09/14-5

Certificate Number

September 3, 2015

Expiration Date

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

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

EMPLOYER'S COPY

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

SANDRA L GUZMAN

VALIDATION NO.

CERTIFICATE NO.

CURRENT THROUGH

08/31/15

03-928852

000823

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

INSTRUCTIONS:

- Detach and sign each of the cards on this form
- Display the large eard 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 corry the mallet eard, place if in a sweare place.
- in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them us a part of your personnel file. Only one copy of file sand conhe supplied in you.

WALLET CARD

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

SANDRA L GUZMAN

CERTIFICATE NO.

CURRENT THROUGH

000823 08/31/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

VALIDATION NO.

03-928852

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

certifies that

Sandra Guzman-Castro

(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

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

Steve Winograd, Director of Training



Appendix C

Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms



BULK ASBESTOS ANALYSIS REPORT

CLIENT:

Fuss & O'Neill EnviroScience, LLC

56 Quarry Road

Trumbuil CT 06611

Lab Log #:

0087810

Project #:

20141268.A1E

Date Received:

04/08/2015

Date Analyzed:

04/16/2015

Site:

Fairfield Hills, Shelton House, Keating Farms Avenue, Newtown, CT

Sample No.		Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SP0329BH-01	+	Grey	Yes	No			0.49%	Chrysotile
SP0329BH-02	+	Grey	Yes	No			0.58%	Chrysotile
SP0329BH-03	•	Grey	Yes	No			0.59%	Chrysotile
SP0329BH-04	•	Grey	Yes	No			0.75%	Chrysotile
SP0329BH-05	•	Grey	Yes	No			0.12%	Chrysotile
SP0329BH-06	•	Grey	Yes	No			0.89%	Chrysotile
SP0329BH-07	•	Grey	Yes	No			0.47%	Chrysotile
SP0329BH-08	•	Grey	Yes	No			0.35%	Chrysotile
SP0329BH-09	+	Grey	Ycs	No			0.51%	Chrysotile
SP0329BH-10	•	Grey	Yes	No			0.99%	Chrysotile
SP0329BH-11	•	Grey	Yes	No		•••	0.94%	Chrysotile
SP0329BH-12	+	Grey	Ycs	No			0.61%	Chrysotile
SP0329BH-13	•	Grey	Yes	No			1.04%	Chrysotile
SP0329BH-14	+	Grey	Yes	No			0.57%	Chrysotile
SP0329BH-15	•	Grey	Yes	No			1,12%	Chrysotile
SP0329BH-16	+	Grey	Yes	No			0.20%	Chrysotile
SP0329BH-17	•	Grey	Yes	No	·		0.57%	Chrysotile
SP0329BH-18	+	Grey	Yes	No			0.24%	Chrysotile



		POLARIZ	LED LIGHT W			EFA 000/R-93/110		
Sample No.		Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SP0329BH-19	•	Grey	Yes	No			0.83%	Chrysotile
SP0329BH-20	•	Grey	Yes	No			0.84%	Chrysotile
SP0329BH-21	•	Grey	Yes	No		• • •	0.45%	Chrysotile
SP0329BH-22	•	Grey	Yes	No			0.58%	Chrysotile
SP0329BH-23	•	Grey	Yes	No	w w		0.70%	Chrysotile
SP0329BH-24	•	Grey	Yes	No			0.66%	Chrysotik
SP0329BI1-25	•	Grey	Yes	No	_ +		0.58%	Chrysotile
SP0329BH-26	•	Grey	Yes	No			0.48%	Chrysotile
SP0329BH-27	•	Grey	Yes	No			0.94%	Chrysotile
SP0329BH-28	•	Grey	Yes	No			1.25%	Chrysotile
SP0329BH-29	•	Grey	Yes	No			1.26%	Chrysotile
SP0329BH-30	•	Grey	Yes	No			0.85%	Chrysotile
SP0329BH-31	•	Grey	Yes	No			1.07%	Chrysotile
SP0329BH-32	•	Grey	Yes	No			0.80%	Chrysotile
SP0329BH-33	•	Grey	Yes	No			1.33%	Chrysotile
SP0329BH-34	•	Grey	Yes	No	_ *		1.27%	Chrysotile
SP0329BH-35	•	Grey	Yes	No			0.24%	Chrysotile
SP0329BH-36	•	Grey	Yes	No			1.20%	Chrysotile
SP0329BH-37	•	Grey	Yes	No			1.20%	Chrysotile
SP0329BH-38	•	Grey	Yes	No			0.94%	Chrysotile
SP0329BH-39	•	Grey	Yes	No			1.19%	Chrysotile
SP0329BH-40	•	Grey	Yes	No			0.69%	Chrysotile
SP0329BH-41	•	Grey	Yes	No			0.60%	Chrysotile



	Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
	Grey	Yes	No	<u> </u>		0.96%	Chrysotile
)	Grey	Yes	No			0.64%	Chrysotile
	Grey	Yes	No			0.33%	Chrysotile
•	Grey	Yes	No			0.33%	Chrysotile
•	Grey	Yes	No			1.06%	Chrysotile
•	Grey	Ycs	No	· -		ND	None
•	Grey	Yes	No			0.68%	Chrysotile
•	Grey	Yes	No			0.32%	Chrysotile
+	Grey	Yes	No			0.33%	Chrysotile
•	Grey	Yes	No		* • •	ND	None
•	Grey	Yes	No			0.5%	Chrysotile
•	Grey	Yes	No			0.33%	Chrysotile
•	Grey	Yes	No			ND	None
+	Grey	Yes	No			0.12%	Chrysotile
•	Grey	Yes	No			<0.17%	Chrysotile
•	Grey	Yes	No			0.51%	Chrysotile
•	Grey	Yes	No	- -		0.64%	Chrysotile
•	Grey	Yes	No			0.86%	Chrysotile
•	Grey	Yes	No		***	ND	None
•	Grey	Yes	No			0.35%	Chrysotile
•	Grey	Yes	No	<u></u>		0.42%	Chrysotile
•	Grey	Yes	No			0.58%	Chrysotile
•	Grey	Yes	No	**		0.32%	Chrysotile
		Grey Grey	Grey Yes Grey Yes	Color Homogenous Layered Grey Yes No Grey Yes <td< td=""><td>Color Homogenous Layered Grey Yes No Grey Yes <td< td=""><td>Color Homogenous Layered Materials Grey Yes No Grey Yes No </td><td>Color Homogenous (Layered) Matterials % Grey Yes No 0.96% Grey Yes No 0.64% Grey Yes No 0.33% Grey Yes No 0.33% Grey Yes No 1.06% Grey Yes No 0.68% Grey Yes No ND Grey Yes No ND Grey Yes No 0.17% Grey</td></td<></td></td<>	Color Homogenous Layered Grey Yes No Grey Yes <td< td=""><td>Color Homogenous Layered Materials Grey Yes No Grey Yes No </td><td>Color Homogenous (Layered) Matterials % Grey Yes No 0.96% Grey Yes No 0.64% Grey Yes No 0.33% Grey Yes No 0.33% Grey Yes No 1.06% Grey Yes No 0.68% Grey Yes No ND Grey Yes No ND Grey Yes No 0.17% Grey</td></td<>	Color Homogenous Layered Materials Grey Yes No Grey Yes No	Color Homogenous (Layered) Matterials % Grey Yes No 0.96% Grey Yes No 0.64% Grey Yes No 0.33% Grey Yes No 0.33% Grey Yes No 1.06% Grey Yes No 0.68% Grey Yes No ND Grey Yes No ND Grey Yes No 0.17% Grey



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

Sample No.		Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos	Asbestos Type
SP0329BH-65		Grey	Yes	No			<0.17%	Chrysotile
SP0329B1I-66	,	Grey	Yes	No			0.34%	Chrysotile
SP0329BH-67	•	Grey	Yes	No			0.49%	Chrysotile
SP0329BH-68	•	Grey	Yes	No			0.30%	Chrysotile
SP0329BH-69	•	Grey	Yes	No			0.23%	Chrysotile
SP0329BH-70	•	Grey	Yes	No			0.12%	Chrysotile
SP0329B1I-71	•	Grey	Yes	No			0.25%	Chrysotile
SP0329BH-72	•	Grey	Ycs	No			0.46%	Chrysotile
SP0329BH-73	•	Grey	Yes	No			0.55%	Chrysotile
SP0329BH-74	•	Grey	Yes	No			0.97%	Chrysotile
SP0329BH-75	+	Grey	Yes	No	= -		0.35%	Chrysotile
SP0329BH-76	•	Grey	Yes	No	- -		1.23%	Chrysotile
SP0329BH-77	•	Grey	Yes	No			0.10%	Chrysotile
SP0329BH-78	•	Grey	Yes	No			0.86%	Chrysotile
SP0329BH-79	•	Grey	Yes	No			0.53%	Chrysotile
SP0329BH-80	•	Grey	Yes	No			0.93%	Chrysotile
SP0329BH-81	•	Grey	Yes	No			ND	None
SP0329BH-82	+	Grey	Yes	No			0.90%	Chrysotile
SP0329BH-83	•	Grey	Yes	No			0.65%	Chrysotile
SP0329BH-84	•	Grey	Yes	No			ND	None
SP0329BH-85	•	Grey	Yes	No	•-		0.85%	Chrysotile
SP0329BH-86	•	Grey	Yes	No			0.23%	Chrysotile
SP0329BH-87		Grey	Yes	No			0.99%	Chrysotile

Page 4 of 8



Sample No.	Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
P0329BH-88 +	Grey	Yes	No			1.21%	Chrysotile
P0329BH-89 •	Grey	Yes	No		₩ + -	1.08%	Chrysotile
P0329BH-90 •	Grey	Yes	No			0.31%	Chrysotile
P0329BH-91 +	Grey	Yes	No		w + *	1.07%	Chrysotile
P0329BH-92 +	Grey	Yes	No			0.90%	Chrysotile
P0329BH-93 •	White	Yes	No			ND	None
P0329BH-94 +	White	Yes	No		*	ND	None
P0329BH-95 +	White	Yes	No	- -		ND	None
P0329BH-96 •	White	Yes	No		+ - 4	ND	None
P0329BH-97 •	White	Yes	No			NĐ	None
SP0329BH-98 +	White	Yes	No			ND	None
SP0329BH-99 +	White	Yes	No			ND	None
SP0329BH-100 +	White	Yes	No		- L M	ND	None
SP0329BH-101 +	White	Yes	No			ND	None
SP0329BH-102 +	White	Yes	No		_ + +	ND	None
SP0329BH-103 •	White	Yes	No			ND	None
SP0329BH-104 +	White	Ycs	No			ND	None
SP0329B11-105 +	White	Yes	No			ND	None
SP0329BH-106 •	White	Yes	No	- -		ND	None
SP0329BH-107 +	White	Yes	No			ND	None
SP0329BH-108 +	White	Yes	No			ND	None
SP0329BH-109 +	White	Yes	No		***	ND	None
SP0329BH-110 +	White	Yes	No		u	ND	None



	TOLAN	- T			FA 000/R-93/110	1 4 3 1	
Sample No.	Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SP0329BH-111 +	White	Yes	No			ND	None
SP0329BH-112 +	White	Yes	No			ND	None
SP0329BH-113 +	White	Yes	No			ND	None
SP0329BH-114 •	White	Yes	No			ΝD	None
SP0329BH-115 +	White	Yes	No			ND	None
SP0329BH-116 +	White	Yes	No	- -		ND	None
SP0329BH-117 +	White	Yes	No			ND	None
SP0329BH-118 +	White	Ycs	No		• •	ND	None
SP0329BH-119 +	White	Yes	No			ND	None
SP0329BH-120 •	White	Yes	No			ND	None
SP0329BII-121 +	White	Yes	No			ND	None
SP0329BH-122 •	White	Yes	No			ND	None
SP0329BH-123 *	White	Yes	No			ND	None
SP0329BH-124 +	White	Yes	No		*	ND	None
SP0329BH-125 +	White	Yes	No			ND	None
SP0329BH-126 +	White	Yes	No			ND	None
SP0329BH-127 •	White	Yes	No		*	ND	None
SP0329BH-128 *	White	Yes	No			ND	None
SP0329BH-129 +	White	Yes	No		***	ND	None
SP0329BH-130 +	White	Yes	No		- V -	ND	None
SP0329BH-131 +	White	Yes	No		***	ND	None
SP0329BH-132 +	White	Yes	No			ND	None
SP0329BH-133 •	White	Yes	No			аи	None
		<u> </u>					



	Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos	Asbestos Type
Sample No. P0329BH-134 +	White	Yes	No			ND	None
P0329BII-135 +	White	Yes	No			ND	None
	White	Yes	No			ND	None
P0329BH-136 ◆		<u> </u>					WW
SP0329BH-137 +	White	Yes	No			ND	Nоле
SP0329BH-138 +	White	Yes	No			ND	None
SP0329BH-139 •	White	Yes	No			ND	None
SP0329BH-140 +	White	Yes	No			ND	None
SP0329BH-141 +	White	Yes	No			ND	None
SP0329BH-142 +	White	Yes	No			ND	None
SP0329BH-143 ◆	White	Yes	No		n + -	ND	None
SP0329BH-144 •	White	Yes	No			ND	None
SP0329BH-145 ◆	White	Yes	No		F 7	ND	None
SP0329BH-146 +	White	Yes	No			ND	None
SP0329BH-147 +	White	Yes	No	# T	# + -	ND	None
SP0329BH-148 +	White	Yes	No			ND	None
SP0329BH-149 ◆	White	Yes	No			ND	None
SP0329BH-150 +	White	Yes	No			ND	None
SP0329BH-151 +	White	Yes	No			ND	None
SP0329BH-152 +	White	Yes	No			ND	None
SP0329BH-153 +	White	Yes	No			ИD	None
SP0329BH-154 ◆	White	Yes	No		-	ND	None
SP0329BH-155 •	White	Yes	No			ND	None
SP0329BH-156 •	White	Yes	No			ND	None



Page 8 of 8 87810.Fuss&Oneill.doc

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

Sample No.	Color	Homogenous	Multi- Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SP0329BH-157 +	White	Yes	No			ND	None
SP0329BH-158 +	White	Yes	No			ND	Nonc
SP0329BH-159 +	White	Yes	No			ND	None
SP0329BH-160 +	White	Yes	No			ND	None
SP0329BH-161 +	White	Yes	No			ND	None
SP0329BH-162 +	White	Yes	No			ND	None
SP0329BH-163 +	White	Yes	No			ND	None
SP0329BH-164 *	White	Yes	No			ND	None
SP0329BH-165 +	White	Yes	No			ND	None
SP0329BH-166 ◆	White	Yes	No			NĐ	None
SP0329BH-167 +	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 assestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must 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.

Reviewed by:

Amanda Parkins, Approved Signatory

Date Issued

Kathleen Williamson, Laboratory Manager

04/17/2015

Validation Review Change Column I and M "%" to "Decimal"

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		0 40	2 5	C.5	0.59	0.75	0.12	0.89	0.47	0.35	0.51	0.99	0.94	0.61	1.04	0.57	1.12	0.20	0.57	0.24	0.83	0.84	0.45	0.58	0.70	99.0	0.58	0.48	6.9	1.25	1.26	0.85
	600 PC	nesums 0.67	200	0.83	0.83	1.17	0.17	1.5	0.67	0.5	0.83	1.5	1.33	-	1.5	0.83	1.67	0.33	0.83	0.33	1.17	1.17	0.67	0.83	-	1.17	0.83	0.67	1.33	1.83	1.83	1.17
		702.0	45/34	0.699	0.713	0.644	0.700	0.591	0.700	0.705	0.618	0.662	0.704	0.614	0.695	0.692	0.668	0.617	0.689	0.715	0.710	0.722	0.673	0.698	0.699	0.567	0.702	0.720	0.708	0.685	0.687	0.729
Filter	Weignt + Acid	Hesiona (g)	4.9001	4.9023	5.1	5.359	5.0171	4.8932	5.3169	5.4205	4.9428	5.0328	5.6889	5.6358	5.5201	5.5153	5.3483	5.1906	4.9218	4.968	5.1845	5.3332	5.1282	5.9543	5.4909	5.0059	5.6245	5.3649	5.2163	5.3713	5.1318	5.2567
-		=	4.5354	4.5375	4.5382	4.5352	4.537	4.538	4.5368	4.5386	4.5384	4.5385	4.5379	4,5377	4.537	4.5382	4.538	4.5375	4.5383	4.5372	4.5394	4.5373	4.5351	4.5372	4.5389	4.5388	4.5369	4.5359	4.3971	4.3971	4.3964	4.3967
			0.967	0.965	0.966	0.947	0.966	0.951	0.965	0.963	0.946	0.953	0.960	0.942	096:0	0.960	0.948	0.938	0.963	0.963	0.963	0.965	0.959	0.956	0.959	0.931	0.960	0.964	0.959	0.953	0.960	996'0
1	Weight after	Ashing (g)	20.8656	20.0386	21,5371	20.9504	18,5322	19,8926	20.4697	18.6834	21.4328	28.0858	21.9975	20.2779	19.9114	21.5214	21.4004	21.6921	20.9779	21.6332	21.9452	27.5424	19.5732	22.0741	20.503	21.3363	26.1951	23.4322	20.6642	29.9533	21.5876	22.0398
		a۱	20.882	20.0567	21.564	21.0185	18.5553	19.9219	20.5087	18.73	21.4683	28.1211	22.0627	20.3813	19.9678	21.5775	21.4629	21.7574	20.9985	21.6553	21.9791	27.5812	19.609	22.1638	20.5592	21.3934	26.2564	23.4742	20.7113	30.0208	21.6301	22.0798
	Crucible	Weight (g)	20.385	19.5348	20 7758	19 739	17 869R	193204	19.3948	17.4768	20.8143	27.3741	20.4277	18.5932	18.5529	20.1658	20.2495	20,6994	20.4419	21,0532	21.0701	26.4783	18.7283	20.1323	19.1965	20.5703	24.7072	22.3223	19.554	28.5978	20.5597	20.8998
-	Crucible	۵	1	9	16	1 6		*	ıc	, SA	9	7	00	6	٩	=	12A	23	14	15	9	=	20	20A	25	22	Ą	R	24	52	5e	27
		Sample ID	+	~		> =	, .	. 46	,	- 60	0	Ę	=	12	5	2 2	£	9	4	2	19	2	21	22	23	24	25	82	27	82	82	90
	ap.	Fog #	87810																													
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Validation Review Change Column I and M

PLM Gravimetric Analysis Sample No.

	Filhere	Noted			Ī		Ī																						×				
			1.07	08.0	200	3.	1.27	0.24	1.20	1.20	0.94	1.19	0.69	89.	96.0	9.0	0.33	0.33	1,06	#VALUE!	0.68	0.32	0.33	#VALUE!	0.50	0.33	#VALUE!	0.12	#VALUE!	0.51	0.64	0.86	#VALUE!
	Ja wa	Results	1.5	+ 47	2	28.	1.83	0.33	1.67	1.83	1.33	1.67	-	0.83	1.33	-	0.5	0.5	1.67	Q	1	0.5	0.5	₽	0.83	0.5	S	0.17	Œ	0.83	-	1.33	2
			0.713	000	0.000	0.727	0.693	0.727	0.721	0.657	0,703	0.710	0.694	0.726	0.725	0.638	0.656	0.656	0.632	0.649	0.676	0.633	0.655	0.418	0.606	0.651	0.434	0.681	0.698	0.616	0.643	0.649	0.652
Filter	Weight +	ACIO Docirliso (n)	E 0047	10000	5.5531	5.5184	5.5951	5.3008	5.2303	5.5578	5.8612	5.7466	5.5082	4.9755	4.9582	5.2182	5.1982	4.9503	5.3825	4.901	5.2302	5.1655	4.9575	4.5895	5.4777	5.4093	4.6691	5.4055	5.0202	5.7789	5.2151	5.7244	5.1631
		Filter		4.3300	4.3963	4.3968	4.3961	4,3959	4.3961	4.3977	4.3978	4.3978	4.3947	4.3974	4.3953	4.3954	4.3951	4,3975	4.3951	4.397	4.3961	4.3961	4.3969	4.4265	4.4278	4.4302	4.4275	4.4294	4.4281	4.4277	4.431	4.4282	4.4282
				200	0.946	0.962	0.957	0.905	0.965	0.948	0.960	0.962	0.956	996:0	0.963	0.948	0.948	0.951	0.942	0.938	0.961	0.955	996.0	0.887	0.944	0.963	0.873	0.964	0.950	0.937	0.947	0.943	0.936
Caucible			⊃l.	22.5691	20.412	22.541	21.9998	23.2000	23,1226	19.6373	26.2052	22.5765	21.3717	20.5053	26.3433	26.1309	24.8973	27.7094	21,0257	18.3026	18.8118	18.6671	21.3598	17.7946	19.7875	18.8139	20.8802	19.4023	19.8234	29.3134	18.4435	24.0097	20.0077
	Crucible	Weight w/	Sample (g)	22.6054	20.5042	22.5995	22.074	23.3184	23 1633	19.7292	26.2882	22.6492	21.4426	20.5321	26.3721	26.1985	24.9606	27.751	21,1166	18.3507	18.8598	18.722	21.389	17.8386	19.8839	18.8702	20.9509	19.4543	19.8657	29.4507	18.508	24,1244	20,0797
			\Box	21.6308	18.8027	21.0558	20,3435	22 0733	22 00.64	17.9626	24.2078	20 7489	19.8387	19.7356	25,596	24.9089	23.7365	26 9087	19 5547	17 5746	17 6263	17,5059	20.5336	17.4486	18.152	17.3666	20.3939	18.0208	19.0171	27.2582	17.2881	22.1268	18.9534
	•	Crucible	₽	28	53	8	F.	5 2	5 15	3 6	8	8 8	8	4	64	43	43A	44	48	2 52	3 2	8	55	99	57	28	5	59	99	88	69	71	73
	•		Sample ID	31	32	33	72	\$ 16	3 %	27	5 8	3 2	\$ \$	4	. CP	43	44	*	AR A	47	48	\$ 8	30	51	53	8	5.4	16	26	24	28	29	8
		Lab	# bol	87810																								_					
			Analyst	KW																													
		<u> </u>	Date	4/9/2015																													

Validation Review Change Column I and M

PLM Gravimetric Analysis Sample No.

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				0.35	0.42	0.58	0.32	#VALUE!	0.34	0.49	0.30	0.23	0.12	0.25	0.46	0.55	0.97	0.35	1.23	0.10	0.86	0.53	0.93	#VALUE!	0.30	0.65	#VALUE!	0.85	0.23	0.99	121	4.08	0.31	1.07
		600 PC	Hesuits	0.5	0.67	0.83	0.5	ᄪ	0.5	0.67	0.5	0.33	0.17	0.33	0.67	0.83	1.5	0.67	2	0.17	1.33		1.33	2	1.33	-	S	1.33	0.33	1,33	1.83	1.5	0.5	1.5
				0.70	0.634	0.701	0.645	0.684	0.686	0.725	0.602	0.685	0.701	0.768	0.688	0.660	0.649	0.528	0.613	0.597	0.649	0.529	0.702	0.654	0.675	0.654	0.605	0.637	0.708	0.743	0.661	0.721	0.628	0.712
Filter	Weight +	Acid	Residue (g)	4.9307	5.4113	5.988	5.6486	5.2376	5.5817	5,4081	5.5529	5.1201	5.2766	4.7032	4,9834	4.9535	5.2017	4.516	4,7589	4.709	4.9558	5.0184	5.3958	4.4016	5.2884	4.9764	4.4789	4.7016	4.9196	5.8023	4.9646	5.0373	4.8069	5.1114
			Weight (g) F	4.4284	4.5358	4,4294	4.4283	4.4283	4.427	4.4287	4.4283	4.4294	4.4281	4.4266	4.4257	4.4281	4.4295	4,4265	4.1893	4.1932	4.1955	4.1912	4,2449	4.2473	4.3609	4.2476	4.1934	4.1908	4,1932	4.2481	4.2482	4.248	4.2466	4.2475
		76. ž	- 1	0,965	0.943	0.973	128.0	0.956	0.952	0.960	0.933	0.953	0.965	0.971	0.944	0.958	0.953	0.952	0.944	0.937	0.954	0.938	0.965	0.915	0.953	0.963	0.941	0.953	0.964	996.0	0.957	0.964	0.946	096:0
Coucible 1			Ashing (g)	19.3246	18.6574	19.5339	31,3263	22 3326	27,8332	21.0734	27.0225	18.3158	21.0583	24.9246	18.5321	26.4491	18.7479	18.0774	20.6215	24.7828	20.8224	26.6955	20.9971	20.3972	21.3472	19.9914	19.2503	20.8472	21.02	22.6654	19.1093	21.9945	20.8354	21.6271
	Crucible	Weight w/	Sample (g)	19,3494	18.7363	19.5946	34 4386	2 3841	27 0145	21.1268	27.1484	18,3633	21.1004	24.9349	18.5775	26.4828	18.8033	18.0855	20,6735	24.8375	20.8764	26.7925	21.0538	20.4173	21.4114	20.0326	19.2783	20.8852	21.0565	22.7327	19.1564	22.0334	20.8837	21.6753
	-	Crucible	Weight (g)	18.6317	17.3544	17.3711	20 5478	21 2004	28.2218	19 7752	25.2798	17.3556	19.8904	24.5747	17.7665	25.6864	17,6129	17.916	19.7447	23.9742	19.7058	25.2296	19.4136	20.1814	20.037	18.9186	18.8065	20.0835	20.0304	20.6396	18.0721	20.9382	19.9914	20.4618
		Concibie	0	72	14	3 5	702	0/6/	60,00	2 #	S &	2	98	6	8	¥	8	102	116	141	168	177	178	215	231	245	281A	291A	296	301	313	320	325	334
			Sample ID	Į.	5 8	3 8	3 3	\$ 8	8 8	8 2	5 8	8	2	77	5	2	24	75	76	2 5	78	79	2 &	2	83	æ	ձ	88	88	28	88	68	ક્ર	91
		4	3 8	07040	0/0/0																													
			Anshei	170	AA.V																				_									
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Validation Review Change Column Land M

PLM Gravimetric Analysis Sample No.

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			0.90	0.00	000	20.0	93.0	800	8	990	000	80	0.0	80	8	0.00	0.0	800	0.00	0.0	0.0	0.00	0.00	8	0.00	89	80	800	0.00	0.00	89	89	0.00	9:00
	Ü	Security Results	1.33	c	, c	3	5	0	0	o	0	٥	٥	٥	0	0	0	٥	0	0	0	0	0	0	0	٥	٥	0	٥	٥	٥	٥	0	
			0 678	37.00	0.270	0.217	0.20/	0.048	0.134	0.055	0.068	0.216	0.050	0.108	0.268	0.187	0.228	0.287	0.234	0.211	0.088	0.103	0.322	0.068	0.140	0.277	0.173	0.365	0.102	0.206	0.048	0.129	0.038	0.113
Filer	Weight +	Acid	19301 2) E 1036	2000	4.060	4.303	4.2718	4.2561	4.2675	4.2532	4.2567	4.2812	4,3779	4.3852	4.4015	4.408	4.4365	4.4374	4.3959	4.4093	4.3906	4.3881	4.4717	4.3897	4.3878	4,4924	4.3941	4.4611	4.3903	4.4431	4.3901	4.3912	4.3851	4.3969
-			╗	4.2401	4.2453	4.2499	4.246	4.2511	4.2485	4.2507	4.2474	4.2444	4.3749	4,3755	4.3755	4.375	4.3743	4.3746	4.3775	4.3823	4.3803	4.382	4.3848	4.3837	4.3754	4.3741	4.3755	4.3836	4.383	4.3825	4.3808	4.3823	4.381	4.3828
				\$.	0.90%	0.920	0.935	0.908	0.924	0.903	0.932	0.871	0.907	0.909	0.922	0.910	0.887	0.878	0.891	0.920	0.933	0.924	0.877	0.949	0.908	0.886	0.846	0.864	0.922	0.870	0.932	0.907	0.942	0.919
Cricible		after	Ashing (g)	21.4212	19.452	19.1896	21.1137	22.3268	18.2324	20.6608	19.9251	18.7668	24.9403	21,4504	17.5821	17.6243	17.4191	19.4101	21.0678	19.8482	19.2203	20.9051	20.0861	21.1617	20.6237	19.2008	20.4665	20.5943	20.4069	17.1345	18.4361	20.1283	20.3198	19.8944
	Crucible	Weight w/	Sample (g)	21.4851	19,4852	19.2091	21,1218	22.3364	18.2431	20.6652	19.9343	16.7888	24.9459	21.4586	17.5897	17,6401	17.45	19.4368	21.0764	19,8585	19.2281	20.9096	20.1192	21.1662	20.6319	19.2496	20.483	20.6232	20.4125	17.1729	18.4494	20.1347	20.3261	19.9045
	••	Crucibie	<u> </u>	20.0896	19,1222	18.9648	20.9971	22 2319	18.1014	20.63	19.7985	18 6185	24.8858	21.3684	17.4926	17.4639	17.1776	19.2179	20.9978	19 7305	19 1116	20.8503	19.8491	21.0786	20.5432	18.8223	20.3757	20.411	20.3411	16.8783	18.2544	20.0659	20.2181	19.7793
	-	Crucible	۵	336	350	365	373	96	ğ	109	411	411A	530	560	648	Qg Gg	7	723	20,00	1 12	3 22	3 22	783	765	777	773	774	9//	1111	25	110	305	7	14A
			Sample ID	92	88	ಹ	\$6	8	26	80	8 8	100	13	Ē	18	104	Ę	3	<u>1</u>	Ş	\$ 5	3 5	3 5	112	113	114	15	116	117	118	119	120	121	122
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Validation Review Change Column I and M

PLM Gravimetric Analysis Sample No. ...

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			00:00	0.00	900	O.O.	3 6	0.00	9.00	0.00	90.0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0,00	0.00	0.00	0.00	0.00	9.0	8.0	89	0.00	0.00	890	00:00	0.0	0.00	0.00	0.0
	SO PC	Results	°	c	, c	, e	3 (٥	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	٥	0
			0.171	0.575	0.474	0.17	0.00	0.146	0.100	0.097	0.154	0.132	0.370	0.083	0.159	0.169	0.375	0.188	0.040	0.226	0.110	0.011	0.293	0.116	0.063	0.112	0.039	0.163	0.176	0.058	0.135	0.100	0.064	0.167
Filter	Weight +	Acid Residue (a)	4 403	4.447	4 4006	4.4030	4.3838	4.4003	4.3981	4.4055	4.4021	4.4117	4.4077	4.3985	4.4077	4.5524	4,4294	4.4323	4.396	4.3996	4.4072	4.3942	4.4412	4.4068	4.3963	4.4006	4.3939	4,4221	4.4197	4.3971	4.4087	4,5203	4.5168	4.5179
	i	Filter		2000	2250	4.3838	4.3903	4,3909	4.3914	4.3903	4.3897	4.39	4.3925	4.3903	4,3898	4.5378	4.3901	4.3913	4.3922	4.3907	4.3892	4,3899	4.3915	4.3892	4.3897	4.3899	4.3892	4.3918	4.3915	4.3902	4.3893	4.5081	4.5103	4.511
		× 4:		3350	0.938	0.891	0.920	0.855	0.903	0.919	0.905	0.914	0.837	906.0	0.894	0.888	0.903	0.889	0.928	0.759	0.924	0.944	0.867	0.921	0.884	0.910	0.974	20.9	0.881	0.920	0.902	0.887	0.922	0.881
Carcible		after	-	18.7806	24.6618	21.812	23.0415	23.3192	23.2182	17,205	23.5707	23.7016	26.5514	25.6317	19,3946	26.7839	26.5291	20 7302	22.1254	22 4901	29 6354	28.0521	28.2061	20.6308	23.559	20.5733	17.8275	22.163	23.6283	17.7338	18.9687	23.3994	19,5515	20.0789
	Crucible	Weight w/	Sample (g)	18.792	24.6655	21.9284	23.0464	23,3285	23.2247	17.2178	23.5784	23.7158	26.5581	25.641	19.4065	26 7936	26.5393	20.7544	22 1322	22 4996	29.6478	28.0744	28.2286	20.6427	23.5712	20.5819	17.8307	22.1808	23.6474	17.7434	18.9829	23.4132	19.5594	20.0838
	• •		丌	18.6766	24.606	21.6778	22.9849	23.2642	23.1577	17.0605	23.4977	23.5513	26.517	25 5424	10.2041	26 7071	26.4344	20 536R	22 1375	22 4602	20 4843	27.6784	28 0589	20.4914	23.4664	20.4865	17,709	21,9945	23.4874	17.6238	18 8387	23.2915	19.4584	20.0425
ŀ		<u>e</u>	₽	6	36	38	45	16	12	8 8	8	8	3 8	2 2		2 8	3 2	3 8	8 8	\$ 8	3 8	3 6	\$ 8	٤	Ē	2	Ę	10.0	Ę	107	¥	113	114	117
			Sample ID	123	124	125	126	127	128	2 2	138	2	5	133	3 2	3 5	35	201	2007	96.	2 9	¥ ¥	143	= ==	14	145	148	147	148	149	5	151	152	153
		8	Log #	87810																												\perp		
			Analyst	KW																														
			Date	4/9/2015																														

Validation Review Change Column I and M

PLM Gravimetric Analysis Sample No. ...

							200 A		THE L				_
-						egge Cegge	1		¥ :				
					Crucible	Weight			Weignt +				4
					Mojoht w/	after		Filter	Acid		2 2 2 3		200
	<u>ਵ</u> ੀ		9 2 2 2 2 3 4	Meight (c)	Sample (a)	raight m sample (n) Ashing (a)		Weight (g)	Residue (g)	:	Results		Noted
Analyst	Analyst Log #	Sample ID	2		200	3070 07	7000	4 5003	4 5323	0.163	0	0.00	
4/9/2015 KW	87810	154	118	19.8129	19.5544	200	0.324	2004 2004	4 5202	0.240	c	0.00	
		155	121	20.8227	20.9064	20.83	7000	4.0031	2072	000	-	000	
		156	1418	19.9896	20.1779	20.1642	0.927	4.5101	4.5138	0.020	,	3.5	
-		157	155	26.8408	26.9756	26.9508	0.816	4.5098	4.6043	0.701	0	0.00	
_		159	20.5	20.5555	20.6879	20.6767	0.915	4.5082	4.5208	0.095	0	0.00	
-		2031	248	20.3284	20.3669	20,3602	0.826	4,5137	4,5181	0.114	0	0.00	
	_	60.	294	25 7712	25.0328	25.9181	606.0	4.5125	4.5353	0.141	0	0.00	
	-	3 3	3	40 4845	10 5635	19.552	0.860	4.5084	4.5295	0.257	0	0.00	
	\downarrow	£ £	949	19 7347	19 8008	19.7935	0.892	4.508	4.523	0.228	0	0.00	
_		2 2	318	19 5559	19 77 16	19.7543	0.920	4.3762	4.3897	0.063	0	0.00	
		3 3	25	23.6788	23,8019	23.7875	0.883	4.3753	4.3964	0.171	0	0.00	
		185	88	18.2265	18,2869	18.2823	0.924	4.5041	4.5269	0.377	0	99.0	
		188	772	19,6003	19.6871	19.6806	0.925	4.5101	4.5127	0.030	0	0.00	
	-	167	786	20.9829	21.054	21.0444	0.865	4.5124	4.5339	0.302	0	80	
			3	22002									



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

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet i of U

Project Name: Fzirfield	Hills Project No. 26	0141268.A1E Date: March 31, 2015
·	ms Ave. Newtown, CT Building Name: Shelto	
Sample ID	Sample Location	Type of Manerial
SPS0329BH -01	Attic Stairwell	Gray Base Coat Wall Plaster
SPS0329BH- 02	3rd Floor-Room 2	Gray Base Coat Wall Plaster
SPS0329BH- 03	3rd Floor-Room 5	Gray Base Coat Wall Plaster
SPS0329BH- 04	3™ Floor-Room 1	Gray Base Coat Ceiling Plaster
SPS0329BH- 05	3rd Floor-Room 9	Gray Base Coat Wall Plaster
SPS0329BH- 06	3 rd Floor-Room 7	Gray Base Coat Ceiling Plaster
SPS0329BH- 07	3rd Floor-Room 6	Gray Base Coat Wall Plaster
SPS0329BH- 08	3rd Floor-Room 10	Gray Base Coat Wall Plaster
SPS0329BH- 09	3rd Floor-Room 5	Gray Base Coat Ceiling Plaster
SPS0329BH- 10	3rd Floor-Room 9	Gray Base Coat Ceiling Plaster
SPS0329BH- 11	3rd Floor-Room 11	Gray Base Coat Wall Plaster
SPS0329BH- 12	3rd Floor-Room 3	Gray Base Coat Ceiling Plaster
5PS0329BH- 13	2nd Floor-Room 18	Gray Base Coat Wall Plaster
SPS0329BH- 14	2nd Floor-Room 20	Gray Base Coat Wall Plaster
SPS0329BH- 15	2 nd Floor-Room 37	Gray Base Coat Ceiling Plaster
	TEM Other	Turnaround Time: 5 day
Based on the turnaround ti EnviroScience if analyses v	me indicated above, analyses are due to EnviroScience vill not be completed for requested TAT at (203) 374 -	
Email Results to: kmcci FAX Results to: 888-838	-1160.	Copy Report Total # of Samples:
Special Instructions: Ple plaster samples, Do Not S	ase use PLM EPA 600/R-93-116 Method using graving op at First Positive.	netric reduction, acid wash, and 600 point count for Fairfield Hi
Samples collected by:	B. Hobbins T	A. A. A.
Samples Sent by:	B. Hobbins 18 10 I	Date: 4-7-15 Time: 1000
Samples Received by		ZAIC
Shipped To: 🛛 EMSI		
Method of Shipment:	FedEx Lab Drop Off Other	





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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of U

Project Name: Fairfiek	Hills Project N	lo. 20141268.A1E		Date: <u>March 31, 2015</u>
•	rms Ave, Newtown, CT Building Name: _S			ager: Kevin McCarthy
Sample IID	Sample Location		Туј	pe of Material
SPS0329BH- 16	2nd Floor-Room 13		Gray Bas	se Coat Wall Plaster
SPS0329BH- 17	2 nd Floor-Room 12		Gray Bas	se Coat Wall Plaster
SPS0329BH- 18	2 nd Floor-Room 28		Gray Base	: Coat Ceiling Plaster
SPS0329BH- 19	2 nd Floor-Room 51		Gray Bas	se Coat Wall Plaster
SPS0329BH- 20	2™ Floor-Room 28		Gray Bas	se Coat Wall Plaster
SPS0329BH- 21	2 nd Floor-Room 43		Gray Base	e Coat Ceiling Plaster
SPS0329BH- 22	2nd Floor-Room 76		Gray Bas	se Coat Wall Plaster
SPS0329BH- 23	2 nd Floor-Room 25		Gray Bas	se Coat Wall Plaster
SPS0329BH- 24	2nd Floor-Room 13		Gray Base	Coat Ceiling Plaster
SPS0329BH- 25	2 nd Floor-Room 35		Gray Ba	se Coat Wall Plaster
SPS0329BH- 26	2nd Floor-Room 51		Gray Base	e Coat Ceiling Plaster
SPS0329BH- 27	2nd Floor-Room 37		Gray Ba	se Coat Wall Plaster
SPS0329BH-28	2nd Floor-Room 35		Gray Base	e Coat Ceiling Plaster
SPS0329BH- 29	2nd Floor-Room 41		Gray Ba	se Coat Wall Plaster
SPS0329BH- 30	2 nd Floor-Corridor at Room 35	-	Gray Base	e Coat Ceiling Plaster
	M TEM Other	Turnarou	nd Time:	5 day
Resed on the menoround t	time indicated above, analyses are due to EnviroSc will not be completed for requested TAT at (203)	ience on or before th		
Email Results to: kmcc FAX Results to: 888-83		ard Copy Report	fotal # of San	nples:
Special Instructions: Pipiaster samples. Do Not S	ease use PLM EPA 600/R-93-116 Method using g Stop at First Positive.	ravimentic reduction	, acid wash, an	d 600 point count for Fairfield Hills
Samples collected by:	B. Hobbins BU	Date:3-29:		Time:
Samples Sent by:	B. Hobbins Std	Date:)-(5°	Time:
Samples Received by		Date:	8/15	Time: 1000
Shipped To: 🛛 EMS	L State CT Other			
Method of Shipment:	FedEx Lab Drop Off Other		<u> </u>	

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 3 of 11

roject Name: Fairfield Hills	Project No. 20141268.A	1E Date: March 31, 2015
,	Newtown, CT Building Name: Shelton House	Project Manager: Kevin McCarthy
Sample (III)	Sample Location	/Lype of Material
PS0329BH- 31	2 nd Floor-Room 61	Gray Base Coat Wall Plaster
PS0329BH- 32	2 nd Floor-Room 76	Gray Base Coat Ceiling Plaster
PS0329BH- 33	2 nd Floor-Room 46	Gray Base Coat Wall Plaster
PS0329BH- 34	2 nd Floor-Room 61	Gray Base Coat Ceiling Plaster
PS0329BH- 35	2 nd Floor-Room 43	Gray Base Coat Wall Plaster
SPS0329BH- 36	2 nd Floor-Room 61	Gray Base Coat Wall Plaster
SP\$0329BH- 37	2 nd Floor-Room 18	Gray Base Coat Ceiling Plaster
SPS0329BH- 38	2 nd Floor-Room 33	Gray Base Coat Wall Plaster
SPS0329BH- 39	2nd Floor-Room 68	Gray Base Coat Wall Plaster
SPS0329BH- 40	2nd Floor-Room 41	Gray Base Coat Ceiling Plaster
SPS0329BH- 41	2 nd Floor-Room 44	Gray Base Coat Wall Plaster
SPS0329BH42	2 nd Floor-Corridor at Room 35	Gray Base Coat Wall Plaster
SPS0329BH- 43	2°d Floor-Room 46	Gray Base Coat Ceiling Plaster
SPS0329BH- 44	2 nd Floor-Room 68	Gray Base Coat Ceiling Plaster
SPS0329BH- 45	2nd Floor-Room 25	Gray Base Coat Wall Plaster
Analysis Method: PLM TE	M Other Turn	around Time: 5 day
Based on the turnsround time indica EnviroScience if analyses will not be	ted above, analyses are due to EnviroScience on or before completed for requested TAT at (203) 374 - 3748.	ore this date: Please call
Email Results to: kmccarthy@fa FAX Results to: 888-838-1160.	 -	ort Total # of Samples:
Special Instructions: Please use P. plaster samples. Do Not Stop at Fire	LM EPA 600/R-93-116 Method using gravimetric redustrices redustrices.	ction, acid wash, and 600 point count for Fairfield H
Samples collected by: B. H.	obbina RU Date:	T
Samples Sent by: B. Ho	bbine 1844 Date:	1-7-15 Time: 1000
Samples Received by:	Date:	
Shipped To: EMSL State _ Method of Shipment: FedEx		



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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 4 of 11

Project Name:	Fairfield H	ills	Project l	No. <u>20141268.A1F</u>	<u> </u>	Date: March 31, 2015
-			Building Name:	Shelton House	Project Manager:	Kevin McCarthy
Sampl	eJD ×		Sample Location		Тур	e of Material
SPS0329BH-	46	<u></u>	2nd Floor-Room 50			e Coat Wall Plaster
SPS0329BH-	47	I at	Floor-Middle Stairwell		Gray Bas	e Coat Wall Plaster
SPS0329BH-	48		1st Floor-Room 97		Gray Bas	e Coat Wall Plaster
SPS0329BH-	49		1 st Floor-Room 152		Gray Base	Coat Ceiling Plaster
SPS0329BH-	50		1ª Floor-Room 121		Gray Bas	e Coat Wall Plaster
SPS0329BH-	51		1ª Floor-Room 131		Gray Bas	e Coat Wall Plaster
SPS0329BH-	- 52		1st Floor-Room 131		Gray Base	Coat Ceiling Plaster
SPS0329BH-	- 53		1st Floor-Room 143		Gray Bas	e Coat Wall Plaster
SPS0329BH-	- 54		1" Floor-Room 83		Gray Bas	e Coat Wall Plaster
SPS0329BH	- 55		1* Floor-Room 147		Gray Base	Coat Ceiling Plaster
SPS0329BH			1st Floor-Room 147		Gray Bas	se Coat Wall Plaster
SPS0329BH			1st Floor-Room 140		Gray Bas	se Coat Wall Plaster
SPS0329BH			1ª Floor-Room 146		Gray Base	: Coat Ceiling Plaster
SPS0329BH			1* Floor-Room 83		Gray Base	: Coat Ceiling Plaster
SPS0329BH		1at F	loor- Southeast Stairw	ell	Gray Bas	se Coat Wall Plaster ,
1		☐ TEM ☐ Other		Turnace	ound Time:5 day	Υ
David on the	humaround tim	e indicated above, ana	lyses are due to EnviroS requested TAT at (203)	cience on or before	this date:	Please call
Email Result	its to: <u>kmccari</u> s to: 888-838-1	by@fando.com 160.	Do Not Mail I	Iard Copy Report	Total # of Sample	8:
Special Inst plaster samp	ructions: Pleas les. Do Not Sto	e use PLM EPA 600/) p at First Positive.	R-93-116 Method using	gravimetric reductio	on, acid wash, and 60	O point count for Fairfield Hill
Samples col	llected by:	B. Hobbins &V			9-15	Time:
Samples Sea	nt by:	B. Hobbins 1549			-7-15	Time:
Samples Re	ceived by:	<u> </u>		Date:	7/8/15	Time: /000
- "	»: 🛛 EMSL					m
Method of	Shipment: 🔀 I	edEx 🔲 Lab Dro	op Off U Other		—	



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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 5 of U

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Project Name: Fairfield I	Fills Project No. 201412	68.A1E Date: March 31, 2015
•	s Ave. Newtown, CT Building Name: Shelton Hor	use Project Manager: Kevin McCarthy
Sample ID	Sample Location	Type of Material
SPS0329BH- 61	1st Floor-Room 110	Gray Base Coat Wall Plaster
SPS0329BH- 62	1st Floor-Room 97	Gray Base Coat Ceiling Plaster
SPS0329BH- 63	1st Floot-Room 148	Gray Base Coat Wall Plaster
SPS0329BH- 64	1# Floor-Room 110	Gray Base Coat Ceiling Plaster
SPS0329BH- 65	1* Floor-Room 88	Gray Base Coat Wall Plaster
SPS0329BH- 66	1 st Floor-Room 115	Gray Base Coat Ceiling Plaster
SPS0329BH- 67	1ª Floor-Room 115	Gray Base Coat Wall Plaster
SPS0329BH- 68	1" Floor-Room 82	Gray Base Coat Ceiling Plaster
SPS0329BH- 69	1st Floor-Basement	Gray Base Coat Wall Plaster
SPS0329BH- 70	1" Floor-Northeast Stairwell	Gray Base Coat Wall Plaster
SPS0329BH- 71	1¤ Floor-Room 139	Gray Base Coat Wall Plaster
SPS0329BH- 72	1 st Floor-Room 116	Gray Base Coat Ceiling Plaster
SPS0329BH- 73	1# Floor-Room 152	Gray Base Coat Wall Plaster
SPS0329BH- 74	1st Floor-Room 88	Gray Base Coat Ceiling Plaster
SPS0329BH- 75	1ª Floor-Room 132	Gray Base Coat Wall Plaster
Analysis Method: PLM	☐ TEM ☐ Other	Turnaround Time: 5 day
To and the his name around the	ne indicated above, analyses are due to EnviroScience on or Il not be completed for requested TAT at (203) 374 - 3748.	•
Email Results to: kmccar FAX Results to: 888-838-1	1160.	Report Total # of Samples:
plaster samples. Do Not Sto		reduction, acid wash, and 600 point count for Fairfield F
Samples collected by:	B. Hobbins & b Date:	
Samples Sent by:	B. Hobbins Date:	
Samples Received by: ∠		
Shipped To: MEMSL		
Mathod of Shirment:	FedEx Lab Drop Off Other	Marrie 1

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 6 of 11

roject Name: Fairfield Hills	Project No.	20141268 A1E		Date: <u>March 31, 2015</u>	
ite Address: <u>Keating Farms Ave. Ne</u>	oviown, CT Building Name: Shel	ton House	Project Manage	er: Kevin McCarthy	
Sample III	Sample Location	i da sido de		que of Material	
SPS0329BH-76	1* Floor-Middle Stairwel	1	Gray Ba	se Coat Ceiling Plaster	
SPS0329BH- 77	1st Floor-Room 139		Gray B	ase Coat Wali Plaster	
SPS0329BH- 78	1st Floor-Room 135		Gray Ba	se Coat Ceiling Plaster	
SPS0329BH-79	1st Floor-South Middle Stair	well	Gray Ba	se Coat Ceiling Plaster	
SPS0329BH- 80	1ª Floor-Room 136		Gray B	ase Coat Wall Plaster	
SPS0329BH- 81	1ª Floor-Room 126		Gray B	ase Coat Wall Plaster	
SPS0329BH- 82	1st Floor-Room 131		Gray Ba	se Coat Ceiling Plaster	
SPS0329BH- 83	1ª Floor-Room 150		Gray B	ase Coat Wall Plaster	
	1" Floor- Northwest Stairs	vell	Gray B	ase Coat Wall Plaster	
SPS0329BH- 84	1º Floor-Room 121		Gray Ba	se Coat Ceiling Plaster	
SPS0329BH- 85	1º Floor-Room 116			Sase Coat Wall Plaster	
SPS0329BH- 86	1st Floor-Room 80		· · · · · · · · · · · · · · · · · · ·	Base Coat Wall Plaster	
SPS0329BH- 87	1# Floor-Room 133			se Coat Ceiling Plaster	
SPS0329BH- 88	1st Floor-Corridor at Room	115		Base Coat Wall Plaster	
SPS0329BH- 89		1113		ase Coat Ceiling Plaster	
SPS0329BH- 90	1" Floor-Room 139	11	· · · · · · · · · · · · · · · · · · ·	Base Coat Wall Plaster	
SPS0329BH- 91	1st Floor-Southwest Stairy	ven			
SPS0329BH- 92	1* Floor-Room 116			ase Coat Ceiling Plaster	
Analysis Method: PLM TEM			and Time:5.0	•	
Based on the turnaround time indicate EnviroScience if analyses will not be or	d above, analyses are due to EnviroScies empleted for requested TAT at (203) 37	ice on or before (4 – 3748.	this date:	Please cal	l
Email Results to: kmccarthy@fand FAX Results to: 888-838-1160.	o.com Do Not Mail Hard	Copy Report	Total # of Samp	oles:	
plaster samples. Do Not Stop at First		rimetric reduction	n, acid wash, and	600 point count for Pairf	eld Hil
Samples collected by:B. Hob	bins B 4	Date: 3-29	-15	Time:	
Samples Sent by: B. Hobb	pins 1217		13 7. /	Time:	
Samples Received by:		Date:	10/13	Time:	<u>e</u> 2
Shipped To: EMSL State C					
Method of Shipment: X FedEx	Lab Drop Off Other				
F:\P2014\1268\A1E\lab_data\Shelton\Place	xer_COC_BH_2015-0331.docx				

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 7 of 4

roject Name:F	irfield Hills	Project N	lo. <u>20141268.A1E</u>	Γ	Date: March 31, 2015	
•	ng Farms Ave. Newtown, C				Kevin McCarthy	
Sample ID		Sample Location		Typ	e of Material	
SPS0329BH- 93		Attic Stairwell		White Skir	m Coat Wall Plaster	
SPS0329BH- 94		3rd Floor-Room 2		White Skir	m Coat Wall Plaster	
SPS0329BH- 95		3rd Floor-Room 5		White Ski	n Coat Wall Plaster	
SPS0329BH- 96		3rd Floor-Room 1		White Skim	Coat Ceiling Plaster	
SPS0329BH- 97		3rd Floor-Room 9		White Ski	m Coat Wall Plaster	
SPS0329BH- 98		3™ Floor-Room 7		White Skim	ı Coat Ceiling Plaster	
SPS0329BH- 99		3 ^{nl} Floor-Room 6		White Ski	m Coat Wall Plaster	
SPS0329BH-100		3rd Floor-Room 10		White Ski	m Coat Wall Plaster	
SPS0329BH- 101		3 rd Floor-Room 5		White Skin	Coat Ceiling Plaster	
SPS0329BH- 102		3rd Floor-Room 9		White Skim Coat Ceiling Plaster		
SPS0329BH- 103		3rd Floor-Room 11		White Skim Coat Wall Plaster		
SPS0329BH- 104		3 rd Floor-Room 3		White Skim Coat Ceiling Plaster		
SPS0329BH- 105		2nd Floor-Room 18		White Ski	m Coat Wall Plaster	
SPS0329BH- 106		2 rd Floor-Room 20		White Ski	on Coat Wall Plaster	
SPS0329BH- 107		2 ^{ud} Floor-Room 13		White Ski	m Coat Wall Plaster	
	PLM TEM Othe		Turnaro	und Time: 5 day		
Decad on the parent	ound time indicated above, an lyses will not be completed fo	alyses are due to EnviroSc	cience on or before	this date:	Please call	
FAX Results to: 8				Total # of Sample		
Special Instruction plaster samples. Do	ns: Please use PLM EPA 600 Not Stop at First Positive.	/R-93-116 Method using g	pravimetric reductio	n, acid wash, and 60	O point count for Fairfield H	
Samples collected	by: B. Hobbins 1814		11.	9-15 7-15	Time:	
	B. Hobbins BV				Time:	
Samples Received			Datt	1/8/15	Time: /200	
	EMSL State <u>CT</u>				_	

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet Boof

Project Name:Fairfield H	ills Project N	lo. <u>20141268.A1E</u>		Date: <u>March</u>	31, 2015
•	Ave, Newtown, CT Building Name: S				
Sample 119	Sample Location		Ty.	pe of Materia	
SPS0329BH- 108	2 nd Floor-Room 12		White Sk	im Coat Wall)	Plaster
SPS0329BH- 109	2 nd Floor-Room 28		White Ski	m Coat Ceiling	Plaster
SPS0329BH- 110	2nd Floor-Room 41		White Sk	tim Coat Wall I	Plaster
SPS0329BH- 11	2nd Floor-Corridor at Room	35 .	White Ski	m Coat Ceiling	Plaster
SPS0329BH-112	2 nd Floor-Room 61		White S)	cim Coat Wall	Plaster
SPS0329BH- 113	2™ Floor-Room 46		White Sl	cim Coat Wall	Plaster
SPS0329BH- 114	2 nd Floor-Room 61		White Ski	m Coat Ceiling	Plaster
SPS0329BH- 115	2 nd Floor-Room 51		White SI	kim Coat Wall	Plaster
SPS0329BH- 116	2 nd Floor-Room 28		White Sl	kim Coat Wall	Plaster
SPS0329BH- 117	2 nd Floor-Room 43		White Ski	m Coat Ceiling	g Plaster
SPS0329BH- 118	2nd Floor-Room 76		White Skim Coat Wall Plaster		
SPS0329BH- 119	2nd Floor-Room 25		White Skim Coat Wall Plaster		
SPS0329BH- 120	2nd Floor-Room13		White Ski	im Coat Ceiling	g Plaster
SPS0329BH- 121	2 nd Floor-Room 35		White S	kim Coat Wall	Plaster
SPS0329BH- 122	2nd Floor-Room 51		White Sk	im Coat Ceiling	g Plaster
	TEM Other	Turnaro	and Time: 5 d	ау	
Board on the meneround time	e indicated above, analyses are due to EnviroSo not be completed for requested TAT at (203)	tience on or before 374 - 3748.	this date:	I	Please call
Email Results to: kmccart FAX Results to: 888-838-11	160.	ard Copy Report			1113 - 11113 - 11113 - 11113
Special Instructions: Please plaster samples, Do Not Stop	e use PLM EPA 600/R-93-116 Method using go at First Positive.	gravimetric reductio	n, acid wash, and 6	00 point count	for Fairfield Hill
Samples collected by:	B. Hobbins R.V.	Date:3-29		Time: _	
Samples Sent by:	B. Hobbins 1510		7-15	Time: _	1000
Samples Received by			/4/15	Time: _	1000
Shipped To: EMSL	State				· e
Marked of Shipment: 🔯 🖺	edEx Lab Drop Off Other				

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 9 of 11

Project Name:	Fairfield Hill	s Proje	8.A1E	Date: March 31, 2015			
Site Address: _	Keating Farms 1	Ave, Newtown, CT Building Name:	Shelton Hous	<u>se</u> Proje	ct Manager: "	Kevin McC	Carthy
Sampl	(10)	Sample Location		- 184 - 184 - 184	Туре	of Materia	1
SPS0329BH-		2 nd Floor-Room 37			White Skim	Coat Wall	Plaster
SPS0329BH-	124	2 nd Floor-Room 35			White Skim	Cost Ceiling	g Plaster
SPS0329BH-	125	2nd Floor-Room 43			White Skin	Coat Wall	Plaster
SP\$0329BH-	126	2 nd Floor-Room 61			White Skin	Coat Wall	Plaster
SPS0329BH-	127	2 nd Floor-Room 18	3		White Skim	Coat Ceiling	Plaster
SPS0329BH-	128	2 nd Floor-Room 33			White Skin	Coat Wall	Plaster
SPS0329BH-		2 nd Floor-Room 65	·		White Skin	Coat Wall	Plaster
SPS0329BH-		2 nd Floor-Room 41			White Skim	Coat Ceilin	g Plaster
SPS0329BH-	131	2 nd Floor-Room 44	ļ.		White Skin	a Coat Wall	Plaster
SPS0329BH-		2ªd Floor-Corridor at Ro	om 35		White Skim	Coat Ceilin	g Plaster
SPS0329BH-		2nd Floor-Room 46	5		White Skim	Coat Ceilin	g Plaster
SPS0329BH-		2 nd Floor-Room 2 st	5		White Skin	n Coat Wall	Plaster
SPS0329BH-		2 nd Floor-Room 50)		White Skin	a Coat Wall	Plaster
SPS0329BH		1# Floor-Middle Stair	well		White Skin	n Coat Wall	Plaster
SPS0329BH		1# Floor-Room 97	7		White Skin	n Coat Wall	Plaster
<u></u>		TEM Other	Т	umaround Tim	ne: 5 day		
Bosed on the	second time i	indicated above, analyses are due to Envi not be completed for requested TAT at (2	roScience on or l 203) 374 - 3748.	before this date	h ³	<u>1</u>	Please call
Email Results	te to: <u>kmccarthy</u> to: 888-838-116		il Hard Copy R	<u>eport</u> Total #	t of Samples		<u>-</u>
Special Instr plaster sample	uctions: Please 1 es. Do Not Stop 2	use PLM EPA 600/R-93-116 Method usi at First Positive.	ing gravimetric re	eduction, acid v	vash, and 600	point count	for Fairfield Hill
Samples coli		B. Hobbins Tal	Date:	3-29-15		Time: _	
· -		3. Hobbins SH	Date:	4-7-1	<u>, ///</u>	Time: _	1000
-	ceived by:		Date:	7/8	<u> </u>	Time:	,
Shipped To:							
Marchael of S	himment: 🔀 Fee	dEx 🔲 Lab Drop Off 🔲 Other					

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 10 of 11

Project Name: Fairfield]	Hills Project No. 2014	268.A1E Da	Date: <u>March 31, 2015</u>			
	ns Ave. Newtown, CT Building Name: Shelton H	ouse Project Manager:	Kevin McCarthy			
Sample ID	Sample Ligation	15pe	of Material			
SPS0329BH- 138	1st Floor-Room 121	White Skim	Coat Wall Plaster			
SPS0329BH- 139	1º Floor-Room 131	White Skim	Coat Wall Plaster			
SPS0329BH- 140	1** Floor-Room 143	White Skim	Coat Wall Plaster			
SPS0329BH- 141	1# Floor-Room 83	White Skim	Coat Ceiling Plaster			
SPS0329BH- 142	1ª Floor-Room 147	White Skim	1 Coat Wall Plaster			
SPS0329BH- 143	1" Floor-Room 140	White Skim	Coat Wall Plaster			
SPS0329BH- 144	1* Floor-Southeast Stairwell	White Skim	n Coat Wall Plaster			
SPS0329BH- 145	1st Floor-Room 110	White Skim	Coat Wall Plaster			
SPS0329BH- 146	1st Floor-Room 148	White Skim	White Skim Coat Ceiling Plaster			
SPS0329BH- 147	1st Floor-Room 88	White Skin	White Skim Coat Wall Plaster			
SPS0329BH- 148	1º Floor-Room 115	White Skin	White Skim Coat Wall Plaster			
SPS0329BH- 149	Basement	White Skin	a Coat Wall Plaster			
SPS0329BH- 150	1ª Floor-Room 139	White Skin	White Skim Cost Wall Plaster			
SPS0329BH- 151	1st Floor-Northeast Stairwell	White Skin	n Coat Wall Plaster			
SPS0329BH- 152	1# Floor-Room 116	White Skin	White Skim Coat Wall Plaster			
	☐ TEM ☐ Other	Turnaround Time: 5 day				
Board on the messessand til	ne indicated above, analyses are due to EnviroScience on ill not be completed for requested TAT at (203) 374 - 374	or before this date:8.	Please call			
Email Results to: kmcca FAX Results to: 888-838-	1160.	Report Total # of Samples:				
Special Instructions: Plea plaster samples, Do Not St	isc use PLM EPA 600/R-93-116 Method using graviment op at First Positive.	c reduction, acid wash, and 600	point count for Fairfield Hill			
Samples collected by:	B. Hobbins B. Date	1	Time:			
Samples Sent by:	B. Hobbins Date	-11	Time:			
Samples Received by:		4/8/15	Time:			
Shipped To: EMSL						
Method of Shipment:	FedEx Lab Drop Off Other					

8-4810

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet H of H

roject Name: <u>Fairfield H</u>	Fills Project No. 20141268.A1	<u>E</u> D	ate: <u>March 31, 2015</u>	
•	s Ave, Newtown, CT Building Name: Shelton House	_ Project Manager:	Kevin McCarthy	
Sample ID	Sample Location	Тур	of Material _j	
SPS0329BH- 153	1* Floor-Room 152	White Skin	n Coat Wall Plaster	
SPS0329BH- 154	1 st Floor-Room 132	White Skir	n Coat Wall Plaster	
SPS0329BH- 155	1# Floor-Room 139	White Skir	n Coat Wall Plaster	
SPS0329BH- 156	1" Floor-South Middle Stairwell	White Skim	Coat Ceiling Plaster	
SPS0329BH- 157	1º Floor-Room 136	White Skir	n Coat Wall Plaster	
SPS0329BH- 158	1º Floor-Room 126	White Skim	Coat Ceiling Plaster	
SPS0329BH- 159	1" Floor-Room 131	White Skir	n Coat Wall Plaster	
SPS0329BH-160	1* Floor-Room 150	White Skir	n Coat Wall Plaster	
SPS0329BH- 161	1st Floor- Northwest Stairwell	White Skir	n Coat Wall Plaster	
SPS0329BH- 162	1" Floor-Room 116	White Skir	m Coat Wall Plaster	
SPS0329BH- 163	1* Floor-Room 80	White Ski	m Coat Wall Plaster	
SPS0329BH- 164	1# Floor-Corridor at Room 115	White Ski	m Coat Wall Plaster	
SPS0329BH- 165	1# Floor-Room 139	White Ski	m Coat Wall Plaster	
SPS0329BH- 166	1 st Floor- Southwest Stairwell	White Skim Coat Wall Plaster		
SPS0329BH- 167	1ª Floor-Room 116	White Skim Coat Ceiling Plaster		
	TEM Other Turns	round Time:5 day	7	
	ne indicated above, analyses are due to EnviroScience on or befo Il not be completed for requested TAT at (203) 374 - 3748.	re this date:	Please call	
Email Results to: kmccat FAX Results to: 888-838-1	160.			
plaster samples. Do Not Sto		tion, acid wash, and 60		
Samples collected by:	B. Hobbins BN Date: 3	29-15	Time:	
Samples Sent by:	B. Hobbins 15 6 Date:	1/1/2	Time: 100c	
Samples Received by:		78113	Time: /202	
	State CT Other	Marie III	_	
Marhad of Shipment:	FedEx 🔲 Lab Drop Off 🔲 Other	<u>.</u>		

OrderID: 041510098 FUSS & O'NEILL EnviroScience, LLC

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM	M
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				Sheet	1_0 / 4
Project Name: Fairfield Hills		Project No. <u>2014</u> 1	1268.A1E	Date: <u>March 31, 20</u>	15
Site Address: <u>Keating Farms Av</u>	e, Newtown, CT	Building Name: <u>Shelton H</u>	ouse Project Mana	ager: <u>Kevin McCarthy</u>	
Sample ID	S	ample Location	Typ	oe of Material	
0329BH01A		Attic	White	Pipe Insulation	
0329BH01B	21	d Floor-Room 45	White	Pipe Insulation	
0329BH01C		Basement	White	Pipe Insulation	
0329BH02A		Attic	Gray Mudded	l Pipe Fitting Insulation	
0329BH02B	,	Basement	Gray Mudded	d Pipe Fitting Insulation	
0329BH02C	2 nd	Floor-Room 63/62	Gray Mudded	d Pipe Fitting Insulation	
0329BH03A		Basement	Br o wn C	ork Pipe Insulation	
0329BH03B		Attic	Brown C	ork Pipe Insulation	
0329BH03C	151	Floor- Room 116	Brown Cork	Pipe Insulation (debris)	
*0329BH04A		Basement	Black Tar or	n Cork Pipe Insulation	
0329BH04B		Attic	Black Tat or	n Cork Pipe Insulation	
0329BH04C	1st	Floor- Room 116	Black Tar on Co	ork Pipe Insulation (debi	ris)
0329B05AM	1	* Floor-Room 88	Gray Radi	ator Insulation Paper	
0329BH05B	21	^{ad} Floor-Room 45	Gray Radi	ator Insulation Paper	
0329BH05C	18	Floor-Room 107	Gray Radi	ator Insulation Paper	
Analysis Method: PLM T T Based on the turnaround time indicenviroScience if analyses will not be Email Results to: kmccarthy@fFAX Results to: 888-838-1160. Special Instructions: Stop analyses	cated above, analy be completed for a fando.com	requested TAT at (203) 374 - 3748 Do Not Mail Hard Copy sample in each homogeneous set	Report Total # of Sam t of samples unless otherw	vise noted. Do not lager s	Samples
unless indicated. Do Not Point Co TEM, NOB, per group. Samples collected by: B. F.		up Samples are <1% by PLM, and Date:		noted by asterisk [*] ab Time:	ove) by
•	obbins & 🖰	Date:	4-7-15	Time:	
Samples Received by:	ens	Date:	4-8-15	Time: <u>920</u>	<u>) </u>
Shipped To: EMSL State		Other		<u></u>	
Method of Shipment: ⊠ FedEx	☐ Lab Drop	Off Other			

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Sheet <u>7</u> of <u>14</u>

Project Name: Fairfield Hills			Project No. <u>20141268.A1E</u> Date: <u>March</u>			31 <u>, 2015</u>)
Site	Address: <u>Keating Fa</u>	rms Ave, Newtown, CI	Building Name: <u>Shelt</u>	on House Project M	Manager: <u>Kevin McC</u> a	arthy	
	Sample ID	Samp	le Location	Ту	pe of Material	*	
	0329BH06A	1st Floo	r-Room 118	Gray I	Radiator Insulation		
	0329BH06B	1st Floo	r-Room 107	Gray I	Radiator Insulation		
	0329BH06C	1st Floo	r-Room 107	Gray I	Radiator Insulation		***
	0329BH07A		Attic	HVAC Iso	olation Flex Connector	T	
	0329BH07B		Attic	HVAC Iso	olation Flex Connector		
	0329BH07C		Attic	HVAC Iso	olation Flex Connector		
	0329BH08A	1st Floo	or-Room 152	Backing on F	iberglass Pipe Insulati	on	
	0329BH08B	1st Flo	or-Room 82	Backing on F	Fiberglass Pipe Insulati	on	
	0329BH09A	2 nd Flo	or-Room 61	White Pla	ster Cast Ceiling Beam	ı	
	0329BH09B	2 nd Flo	or-Room 18	White Pla	ster Cast Ceiling Beam	ı	
	0329BH09C	1st Flo	or-Room 88	White Pla	ster Cast Ceiling Beam	ı	
	0329BH10A	Attic Me	chanical Room	Gr	ay Ceiling Panel		
	0329BH10B	Attic Me	chanical Room	Gr	ay Ceiling Panel		
	0329BH10C	Attic Me	chanical Room	Gray Cei	ling Panel Seam Strip		
	0329BH11A	Attic Me	chanical Room	Silver C	eiling Panel Backing	2015	<u>C</u>
Anal	ysis Method: 🛛 PLM	TEM Other		Turnaround Time: _	5 day	- Fg	CLENAM
Env	iroScience if analyses w	vill not be completed for	ses are due to EnviroScience requested TAT at (203) 374	- 3748.		easekall	3000
FAX	ail Results to: kmcca Results to: 888-838	-1160.		Copy Report Total # of	-	56	<u> </u>
unle	cial Instructions: Sto ss indicated. Do Not I I, NOB, per group.	p analysis on first positive	sample in each homogeneo up Samples are <1% by PLI	us set of samples unless oth M, analyze only "A" group	herwise noted. Do not (as noted by asterisk	layer sar [*] abov	<u>nples</u> <u>re) by</u>
		B. Hobbins 84		Date: 3-29-15			
		B. Hobbins B.		Date: 4-7-15			
!	- ·	e NI 🗆					
_	ethod of Shipment: FedEx Lab Drop Off Other						

From: GFI FaxtMaker To: Kevin McCarthy Page: 4/42 Date: 4/15/2015 9:32:40 AM

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet <u>3</u> of <u>14</u>

Project Name: Fairfield Hills	Project No. 20141268.A1E Date: March 31, 2015				31, 2015	
Site Address: Keating Farms Ave, No	ewtown, CT	Building Name: <u>Sh</u>	Building Name: <u>Shelton House</u> Project Manager: <u>Kevin M</u>			Carthy
Sample ID	Sample	Location		Туре	of Material	
0329BH11B	Attic Mech	anical Room		Silver Ceilin	ng Panel Backing	
0329BH11C	Attic Mech	anical Room		Silver Ceilin	ng Panel Backing	
0329BH12A	Base	ement		Black Paper	on Ceiling Deck	
0329BH12B	Base	ement		Black Paper	on Ceiling Deck	
0329BH13A	Attıc Mech	anical Room		Gypsun	n Wall Board	
0329BH13B 2 ⁿ	[‡] Floor Corr	idor at Room 35		Gypsun	n Wall Board	
0329BH13C	1st Floor	-Room 96		Gypsun	n Wall Board	
0329BH14A	Attic Mech	anical Room		Taping/Jo	oint Compound	
0329BH14B 2n	d Floor Corr	idor at Room 35		Tapıng/Jo	oint Compound	·
0329BH14C	1st Floor	-Room 96		Taping/Jo	oint Compound	
0329BH15	3 rd Floo	r-Room 2	Gypsum V	Wall Board & Tap	ıng/Joint Compou	nd Composite
0329BH16A	2 nd Floor	r–Room 16		White 6"x	4" Ceiling Tıle	
0329BH16B	1 st Floor	r-Room 83		White 6"x	(4" Ceiling Tile	
*0329BH17A	1st Floor	-Room 83	В	rown Glue Daub	on 6"x4" Ceiling	
0329BH17B	2 nd Floor	r–Room 36		Brown Glue Daul	b on 6"x4" Ceiling	
Analysis Method: PLM TEM	Other		Tun	naround Time:	5 day	· 是四
Based on the turnaround time indicated EnviroScience if analyses will not be co	mpleted for r	requested TAT at (203) 3	74 - 3748.			Please call SON.
Email Results to: kmccarthy@fando FAX Results to: 888-838-1160.	o.com	Do Not Mail Has	d Copy Rep	ort Total # of Sa	imples:	45
Special Instructions: Stop analysis on unless indicated. Do Not Point Count. TEM, NOB, per group.						ot layer samples
Samples collected by: B. Hobb						
Samples Sent by: B. Hobbi	ns 8₩		_ Date:	4-10 -7-15	Time: _	
Samples Received by:			_ Date:		Time: _	
Shipped To: EMSL State NJ	Other			 		
Method of Shipment: ⊠ FedEx	Lab Drop	Off Other		,. <u> </u>		

OrderID: 041510098

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet <u>4</u> of <u>14</u>

Project Name: <u>Fairfield H</u>	Iılls	Project No	o. 20141268.A1E	Date: <u>March 31, 2015</u>	
Site Address: <u>Keating Farm</u>	s Ave, Newtown, CT	Building Name:She	elton House Project Manage	er: Kevin McCarthy	
Sample ID	Sample	Location	Type of M	laterial	
0329BH18A	1 st Floo	r-Room 82	White 1'x1' Ceiling Ti	le (rough textured)	
0329BH18B	2 nd Floo	or Corridor	White 1'x1' Ceiling Ti	le (rough textured)	
*0329BH19A	1st Floor	r-Room 82	Yellow Glue Daub on 1'x1' Ce	iling Tile (rough textured)	
0329BH19B	Mıddle	: Stairwell	Yellow Glue Daub on 1'x1' C	eiling Tile (rough textured)	
0329BH20A	3 rd Floo	r-Room 12	White 1'x1' Ceiling Til	e (smooth pinhole)	
0329BH20B	3 rd Floo	r-Room 12	White 1'x1' Ceiling Til	e (smooth pinhole)	
0329BH21A	3 rd Floo	or-Room 4	White 2'x 4' (Ceiling Tile	
0329BH21B	1st Floo	r-Room 97	White 2'x 4' (Ceiling Tile	
*0329BH22A	2 nd Floo	r-Room 35	Black Damp-Proofing/Tar on Exterior Wall behind		
0329BH22B	Middle So	outh Stairwell	Plast Black Damp-Proofing/Tar on	***************************************	
0329BH22C	2 nd Floo	r-Room 35	Black Damp-Proofing/Tar on	Exterior Wall behind Plaster	
0329BH23A	1st Floo	r-Room 82	Gray Cementitious P	anel Radiator Top	
0329BH23B	1 st Floo	r-Room 82	Gray Cementitious P	anel Radiator Top	
0329BH24A	3 rd Floo	or-Room 4	Blackb	oard	
0329BH24B	3 rd Floo	or-Room 4	Blackb	oard B C	
Analysis Method: 🏻 PLM	TEM Other_		Turnaround Time:5	<u> </u>	
Based on the turnaround time EnviroScience if analyses will	not be completed for t	requested TAT at (203) 37	4 - 3748.	Pleasq call O	
Email Results to: kmccarth FAX Results to: 888-838-116		Do Not Mail Hard	I Copy Report Total # of Sampl	es:	
			eous set of samples unless otherwise LM, analyze only "A" group (as no	noted. Do not layer amples	
Samples collected by:	B. Hobbins Wid		Date: 3-29-15	Time:	
Samples Sent by:			Date: 4-7-15		
Samples Received by:			Date:		
Shipped To:	-			_	



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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet <u>5</u> of <u>14</u>

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Project Name: Fairfield H	lılls	Pro	ject No. <u>2014126</u>	8.A1E	Date: <u>March 3</u>	1, 2015
Site Address: Keating Farms	s Ave, Newtown, CT	_ Building Name	e: <u>Shelton Hous</u>	se Project Mana	ager: <u>Kevin McCa</u>	ırthy
Sample ID	Sample Lo	cation		Type of Ma	aterial	
*0329BH25A	2 nd Floor-R	oom 49		Black Sink U	ndercoat	
0329BH25B	2 nd Floor-R	oom 49		Black Sink Ui	ndercoat	
*0329BH26A	1st Floor-R	oom 96		White Counter	rtop/Glue	
0329BH26B	1 st Floor-Ro	oom 96		White Counter	top/Glue	
*0329BH27A	2 nd Floor-R	oom 61		Tan Countert	top/Glue	
0329BH27B	1 st Floor-Ro	oom 97		Tan Countert	op/Glue	-
*0329BH28A	2 nd Floor-R	oom 25		Blue Counter	top/Glue	
0329BH28B	2 nd Floor-R	oom 25		Blue Countert	op/Glue	
*0329BH29A	1st Floor-Ro	om 104		Black Counter	rtop/Glue	
0329BH29B	1st Floor-Ro	om 104		Black Counter	•	
*0329BH30A	3 rd Flo	ot	White Caul	king on Electrical V Founta		Drinking
0329BH30B	3 rd Flo	or	White Caulkin	g on Electrical Wire 1	nside Metal Drinki	ng Fountain
*0329BH31A	Basement Mech	anical Room		Black Caulking on	Electrical Wire	
0329BH31B	Basement Mech	anıcal Room	•	Black Caulking on I	Electrical Wire	
0329BH32A	3 rd Floor-R	.oom 4		Electrical Wire	e Coating	
Analysis Method: 🛛 PLM	TEM Dther		Ti	arnaround Time:	5 day	OIS!
Based on the turnaround time EnviroScience if analyses will in Email Results to: kmccarth	not be completed for r	equested TAT at (203) 374 - 3748.			CINHAPTINSO
FAX Results to: 888-838-116	-	DO NOT MI	и пап Сору Ке	port Total # of Sam	ipies	マ ぎ
Special Instructions: Stop as unless indicated. Do Not Poir TEM, NOB, per group.						layer samples
Samples collected by:				3-29-15		
Samples Sent by:				4-7-15		***************************************
Samples Received by:						
Shipped To:			r			

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D N	****	D / N 00	M 44040 NAT	Sheet 6 of M
Project Name: <u>Fairfield</u> Site Address: <u>Keating Farr</u>		Project No. 20 Building Name: Sheltor		Date: March 31, 2015 anager: Kevin McCarthy
Sample ID	Sam	ple Location	Tyl	pe of Material
0329BH32B	3rd F	loor-Room 4	Electr	ical Wire Coating
*0329BH33A	2nd F	oor-Room 25	Tan Inter	ior Window Glazing
0329BH33B	1st F1	oor-Room 82	Tan Inter	rior Window Glazing
0329BH33C	2 nd F	loor-Room 77	Tan Inter	nor Window Glazing
0329BH34A	3rd F	loor-Room 4	Tan (Ceramic Wall Tile
0329BH34B	2 nd F	loor-Room 45	Tan (Ceramic Wall Tile
0329BH35A	3rd F	loor-Room 4	Ceram	ic Wall Tile Grout
0329BH35B	2nd F	loor-Room 45	Cetam	ic Wall Tile Grout
0329BH36A		loor-Room 4		c Wall Tile Thinset
0329BH36B		loor-Room 45		c Wall Tile Thinset
*0329BH37A		loor-Room 45		e on Ceramic Wall Tile
03 2 9BH37B		loor-Room 45	Yellow Glu	e on Ceramic Wall Tile
*0329BH38A	3rd F	loor-Room 4	Black Glue	on Ceramic Wall Tile
0329BH38B	2nd F	loor-Room 40	Black Glue	e on Ceramic Wall Tile
0329BH39A	2nd F	loor-Room 40	Gray (Ceramic Wall Tile
Analysis Method:⊠ PLM	☐ TEM ☐ Other _		Turnaround Time:	5 day
		yses are due to EnviroScience of requested TAT at (203) 374 - 3		∞ ;
Email Results to: kmccar FAX Results to: 888-838-1	160.		opy Report Total # of Sa	Ģ
				erwise noted. Do not layer samples as noted by asterisk [*] above) by
Samples collected by:		Da		
Samples Sent by:	B. Hobbins Blot	Da	ite: <u>4-7-15</u>	Time:
Samples Received by:		Da	ste:	Time:
Shipped To:	State NJ	Other		
Method of Shipment:	edEx 🔲 Lab Droi	Off Other		

OrderID: 041510098



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Sheet 7 of 14

Project Name: Fairfield I	Hills	Project No. 20	141268.A1E	Date: <u>March 31, 20</u>	15
Site Address: <u>Keating Farm</u>	s Ave, Newtown, CI	Building Name: <u>Shelton</u>	House Project	Manager: <u>Kevin McCarthy</u>	
Sample ID	Sam	ple Location		Type of Material	
0329BH39B	2 nd F	oor-Room 40	Gr	ay Ceramic Wall Tile	
0329BH40A	2nd F	oor-Room 40	Cer	amic Wall Tile Grout	
0329BH40B	2nd F	loor-Room 40	Cer	amic Wall Tile Grout	
0329BH41A	2 nd Floor Corne	dor-Women's Bathroom	Pin	ak Ceramic Wall Tile	
0329BH41B	2 nd Floor Corri	dor-Women's Bathroom	Pin	ak Ceramic Wall Tile	
0329BH42A	2nd Floor Corri	dor-Women's Bathroom	Cer	amic Wall Tile Grout	
0329BH42B	2nd Floor Corri	dor-Women's Bathroom	Cer	amic Wall Tile Grout	
0329BH43A	1st Flo	oor-Room 127	Yell	ow Ceramic Wall Tile	
0329BH43B	1 st Flo	oor-Room 127	Yell	ow Ceramic Wall Tile	
0329BH44A	1st Flo	oor-Room 127	Cer	amic Wall Tile Grout	
0329BH44B	1st F].	oor-Room 127	amic Wall Tile Grout		
0329BH45A	2nd F	loor-Room 44	Yellow/\(\frac{1}{2}\)	White Ceramic Wall Block	
0329BH45B	2 nd F	loor-Room 49	Yellow/	White Ceramic Wall Block	,,
0329BH46A	2 nd F	loor-Room 44	Cera	mic Wall Block Grout	
0329BH46B	2 nd F	loor-Room 49	Сета	mic Wall Block Grout	<u>, C</u>
Analysis Method: 🏻 PLM [TEM Other		Turnaround Time:	5 day	CINNAMINSON.
		ses are due to EnviroScience or requested TAT at (203) 374 - 3			all 80
Email Results to: kmccarth FAX Results to: 888-838-116		Do Not Mail Hard Co	py Report Total # 0:	f Samples:	DE
		e sample in each homogeneous oup Samples are <1% by PLM,			sam ples .
Samples collected by:	B. Hobbins 34	Date Date			
Samples Sent by:	3. Hobbins 1844	Da	te: 4-7-15		
Samples Received by:		Da			
Shipped To: EMSL S		Other			
Method of Shipment: X Fe	dEx 🔲 Lab Droj	Off Other			

56 Quarry Road, Trumbull, CT 066611

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

041510098

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 8 of 14

Pro	ject Name: <u>Fairfield I</u>	Hills	Project No. 20	141268.A1E	Date: <u>March 31</u> ,	, 2015
Site	Address: <u>Keating Farm</u>	s Ave, Newtown, CI	Building Name: <u>Shelton</u>	House Projec	t Manager: <u>Kevin McCart</u>	<u>hy</u>
	Sample ID	Sam	ple Location		Type of Material	
	0329BH47A	South	west Stairwell	Ta	n Ceramic Wall Block	
	0329BH47B	North	west Stairwell	Та	n Ceramic Wall Block	
	0329BH48A	South	west Stairwell	Cer	amic Wall Block Grout	
	0329BH48B	North	west Stairwell	Cer	amic Wall Block Grout	
	0329BH49A	. 3rd F	loor-Room 4	Tan/I	Brown Ceramic Floor Tile	
	0329BH49B	3rd F	loor-Room 4	Tan/F	Brown Ceramic Floor Tile	
	0329BH50A	3rd F	loor-Room 4	Cer	amic Floor Tile Grout	
	0329BH50B	3rd F	loor-Room 4	Cea	ramic Floor Tile Grout	
	0329BH51A	1st Flo	or-Room 127	Ta	an Ceramic Floor Tile	
	0329BH51B	1st Flo	or-Room 127	Tz	ın Ceramic Floor Tile	
	0329BH52A	1st Flo	or-Room 127	Cen	ramic Floor Tile Grout	
	0329BH52B	1st Flo	oor-Room 127	Ces	ramic Floor Tile Grout	
	0329BH53A	2nd F	oor-Room 40	White	/Gray Ceramic Floor Tile	
	0329BH53B	2nd F	oor-Room 24	White	/Gray Ceramic Floor Tile	
	0329BH54A	2 nd F	oor-Room 40	Ces	ramic Floor Tile Grout	B L
Anz	alysis Method: 🔀 PLM	TEM Other		Turnaround Time		8 500
Env	ed on the turnaround time troScience if analyses will ail Results to: <u>kmccartl</u> X Results to: 888-838-11	not be completed for a sympleted for a symplet	rses are due to EnviroScience of tequested TAT at (203) 374 - 3 Do Not Mail Hard Co	748.	Pleas	の記さ
unle			sample in each homogeneous up Samples are <1% by PLM,			
San	nples collected by:	B. Hobbins Bu	Dat			
	.7		Da			
	nples Received by:		Da			
	pped To: 🛛 EMSL S		Other			
Me	thod of Shipment: 🛛 Fe	dEx 🗌 Lab Drop	Off Other			

OrderID: 041510098

FUSS & O'NEILL EnviroScience, LLC

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

White w/Gray Specks Ceramic Floor Tile

White w/Gray Specks Ceramic Floor Tile

Ceramic Floor Tile Grout

Ceramic Floor Tile Grout

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

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Sheet 7 of 14

56 Quarry Road, Trumbull, CT 066611

0329BH56A

0329BH56B

0329BH57A

0329BH57B

041510098 Phone (203) 374-3748 Fax (203) 374-4391

Pro	ect Name: <u>Fairfield F</u>	Hills	Project No. 20	141268.A1E	Date: <u>Marcl</u>	1 31 , 2015
Site	Address: <u>Keating Farm</u>	s Ave, Newtown, CT	Building Name: Shelton	1 House P	roject Manager: <u>Kevin Mc</u>	Carthy
	Sample ID	Sam	ple Location		Type of Material	
	0329BH54B	2 nd F	oor-Room 24		Ceramic Floor Tile Grout	
	0329BH55A	2 nd F	oor-Room 40		Ceramic Floor Tile Thinse	t
	0329BH55B	2 nd F	oor-Room 40		Ceramic Floor Tile Thinse	t

2nd Floor-Room 63

1st Floor-Room 92

2nd Floor-Room 63

1st Floor-Room 92

2nd Floor Corridor Women's Bathroom Pink Ceramic Floor Tile 0329BH58A 0329BH58B 1st Floor Corridor Women's Bathroom Pink Ceramic Floor Tile 0329BH59A 2nd Floor Corridor Women's Bathroom Ceramic Floor Tile Grout 0329BH59B 1st Floor Corridor Women's Bathroom Ceramic Floor Tile Grout 2nd Floor-Room 41 0329BH60A 6" Brown Cove Base 0329BH60B 3rd Floor-Room 2 6" Brown Cove Base 0329BH61A 2nd Floor-Room 22 6" Black Cove Base 0329BH61B 2nd Floor-Room 22 6" Black Cove Base 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 all EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748. Do Not Mail Hard Copy Report Total # of Samples: Email Results to: kmccarthy@fando.com 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 18# **Date:** 3-29-15 Samples Sent by: B. Hobbins Date: 4-7-15 Time: _____ _____ Date: _____ Time: _____ Samples Received by: __ Shipped To: EMSL State NJ Other

Method of Shipment: X FedEx

____ Other _____

Lab Drop Off

OrderID: 041510098 FUSS & O'NEILL EnviroScience, LLC

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ASI:	DESTOS DOLE	SAMPLE CHAIN	or costobi i	Sheet <u>b</u> of _6
Project Name:Fairfield	Hills	Project No. <u>2014</u>	1268.A1E	Date: <u>March 31, 2015</u>
Site Address: <u>Keating Farm</u>	ns Ave, Newtown, CT	Building Name: <u>Shelton H</u>	ouse Project Mana	ger: <u>Kevin McCarthy</u>
Sample ID	Sai	mple Location	Тур	oe of Material
*0329BH62A	2 nd	Floor-Room 41	Brown	Cove Base Glue
0329BH62B	2 nd	Floor-Room 22	Brown	Cove Base Glue
0329BH63A	1:	* Floor Lobby	Black	Slate Cove Base
0329BH63B	1:	^t Floor Lobby	Black	Slate Cove Base
0329BH64A	N	iddle Stairwell	Black	Slate Stair Tread
0329BH64B	M	iddle Stairwell	Black	Slate Stair Tread
0329BH65A	2 nd	Floor-Room 49	Te	errazzo Floor
03 2 9BH65B	2 nd	Floor-Room 14	Te	errazzo Floor
*0329BH66A	Noi	theast Stairwell	Yellow	Stair Tread Glue
0329BH66B	No	rtheast Stairwell	Yellow	Stair Tread Glue
*0329BH67A	3rd	Floor-Room 4	Yello	w Carpet Glue
0329BH67B	2 nd	Floor-Room 42	Yello	ow Carpet Glue
0329BH68A		Basement	Black Floor Lev	veler at Corridor Doorway
0329BH68B		Basement	Black Floor Lev	veler at Corridor Doorway
*0329BH69A	3rd	Floor-Room 1	Black	k Floor Mastic
	e indicated above, analy	ses are due to EnviroScience on equested TAT at (203) 374 - 374		Please
Email Results to: <u>kmccart</u> FAX Results to: 888-838-1	hy@fando.com	Do Not Mail Hard Copy		· ထိ 📆
		sample in each homogeneous se up Samples are <1% by PLM, an		
Samples collected by:	B. Hobbins BU	Date:		نـــــ Time:
Samples Sent by:	11	Date:	•	
Samples Received by:				
Shipped To: EMSL	•	Other		
Method of Shipment: 🛛 F	edEx	Off Other		



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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet U of I

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Project Name: <u>Fairfield F</u>	fills	Project No. <u>201412</u>	68.A1E	Date: <u>March 31, 2015</u>
Site Address: <u>Keating Farm</u>	s Ave, Newtown, CT	Building Name: Shelton Hou	<u>use</u> Project M	anager: Kevin McCarthy
Sample ID	San	mple Location		Type of Material
0329BH69B	2 nd	Floor- Room 18	F	Black Floor Mastic
0329BH69C	1st F	loor- Room 116	F	Black Floor Mastic
0329BH70A		Attic		Тептаcotta Block
0329BH70B		Attic		Terracotta Block
0329BH71A		Attic	Teı	rracotta Block Grout
0329BH71B		Attic	Tei	rracotta Block Grout
0329BH72A		Attic		Brick
0329BH72B		Basement		Brick
0329BH73A		Attic		Brick Grout
0329BH73B		Basement		Brick Grout
0329BH74A	Attic-	Mechanical Room	Dark	Gray Concrete Block
0329BH74B	Attic-	Mechanical Room	Dark	Gray Concrete Block
0329BH75A	Attic-	Mechanical Room	Co	oncrete Block Grout
0329BH75B	Attic-	Mechanical Room	Co	oncrete Block Grout
0329BH76A		Basement	Light	t Gray Concrete Block
Analysis Method: 🛛 PLM	TEM Other_	7	Furnaround Time:	5 day CH
Email Results to: kmccarth FAX Results to: 888-838-116 Special Instructions: Stop as unless indicated. Do Not Pour TEM, NOB, per group.	ty@fando.com 50. nalysis on first positive nt Count. IF NOB gro	up Samples are <1% by PLM, analy	eport Total # of S of samples unless oth yze only "A" group (a	Please call amples: erwise noted. Do not layer samples cas noted by asterisk [*] above by
Samples collected by: Samples Sent by:	_			Time:
Samples Received by:				Time:
Shipped To: EMSL S		Other		
Method of Shipment: X Fe	dEx 🔲 Lab Drop	Off Other		

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54



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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 12 of 14

Project Name: Fairfield	Hılls	Project No. 2014126	8.A1E Date: <u>March 31, 2015</u>
Site Address: <u>Keating Farm</u>	ns Ave, Newtown, CI	Building Name: Shelton Hous	se Project Manager: <u>Kevin McCarthy</u>
Sample ID	Sa	mple Location	Type of Material
0329BH76B		Basement	Light Gray Concrete Block
0329BH77A		Basement	Concrete Block Grout
0329BH77B		Basement	Concrete Block Grout
0329BH78A	1 st	Floor-Room 138	Skim Coat Concrete on Terracotta Wall
0329BH78B	1 st	Floor-Room 138	Skim Coat Concrete on Terracotta Wall
0329BH79A	3r	d Floor- Room 4	Concrete Window Sill Underlayment
0329BH79B	3r	[†] Floor- Room 4	Concrete Window Sill Underlayment
*0329BH80A	Exterior Metal	Window Systems –associated w/brick	Exterior Window Glazing Compounds
0329BH80B	Exterior Metal Win	dow Systems –associated w/bnck	Exterior Window Glazing Compounds
0329BH80C	Exterior Metal Win	dow Systems –associated w/brick	Exterior Window Glazing Compounds
*0329BH81A		Window Systems-(crank-out) Wexterior wood trim	Exterior Window Glazing Compounds
0329BH81B	Exterior Metal	Window Systems-(crank-out) d w/exterior wood trim	Exterior Window Glazing Compounds
0329BH81C	Exterior Metal	Window Systems-(crank-out) d w/exterior wood trim	Exterior Window Glazing Compounds Exterior Window Glazing Compounds Exterior Window Caulking Compounds Exterior Window Caulking Compounds armaround Time: 5 day
*0329BH82A	Exterior Metal	Window Systems –associated w/brick	Exterior Window Caulking Compounds
0329BH82B	Exterior Metal Win	dow Systems –associated w/brick	Exterior Window Caulking Compounds
Analysis Method: X PLM	☐ TEM ☐ Other_	Tı	armaround Time: 5 day
Based on the turnaround tim EnviroScience if analyses will	e indicated above, analy not be completed for	rses are due to EnviroScience on or b requested TAT at (203) 374 - 3748.	perfore this date: Please call
Email Results to: kmccart FAX Results to: 888-838-11		Do Not Mail Hard Copy Re	eport Total # of Samples:
			samples unless otherwise noted. Do not layer samples ze only "A" group (as noted by asterisk [*] above) by
Samples collected by:	B. Hobbins BV	Date:	3-29-15 Time:
Samples Received by:			Time:
Shipped To: EMSL	otate N	Other	
F \P2014\1268\A1E\lab_data\Sl	nelton\COC_Shelton_BH_	2015-0406.docx	

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			Trumbull,		
36365766643069-145348	AND DESCRIPTION OF	minimización de la companya de la co	Control of the Contro	OHORNA PRINT	ORDER TO PROPERTY AND ADDRESS OF THE PARTY AND

Method of Shipment: X FedEx

Lab Drop Off Other

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet <u>13</u> of <u>14</u>

Project Name: Fairfield I	Hills	Project No. 2014	11268.A1E	3	Date: <u>March 31, 2015</u>	<u> </u>
Site Address: <u>Keating Farm</u>	s Ave, Newtown, CT	Building Name: Shelton I	Iouse	Project Manage	r: <u>Kevin McCarthy</u>	
Sample ID		Sample Location		Ту	pe of Material	
0329BH82C	Exterior Metal W	Vindow Systems –associated w/	brick	Exterior Wind	low Caulking Compour	nds
*0329BH83A		al Window Systems-(crank-o ted w/exterior wood trim	ut)	Exterior Wind	ow Caulking Compor	ınds
0329BH83B		indow Systems-(crank-out) asso /exterior wood trim	ociated	Exterior Wind	low Caulking Compour	nds
0329BH83C		indow Systems-(crank-out) assov/exterior wood trim	ociated	Exterior Wind	low Caulking Compoun	nds
*0329BH84A	E	terior Door Systems		Exterior Doc	or Caulking Compoun	ds
0 3 29BH84B	Е	xterior Door Systems		Extenor Do	or Caulking Compound	ls
0329BH84C	E	xterior Door Systems		Exterior Do	or Caulking Compound	ls
*0329BH85A	E	xterior Brick-South			ior Remnant Caulkin; Compound	g
0329BH85B	Ex	terior Brick-Southwest			emnant Caulking Comp	ound
*0329BH86A	F	xterior Window Sill		Black Dan	np-Proofing under Sill	l
0329BH86B]	Exterior Window Sill		Black Das	np-Proofing under Sill	
*0329BH87A	Exterio	or Lower Concrete Apron		Black Damj	o-Proofing under Apro	on
0329BH87B	Exteri	or Lower Concrete Apron		Black Dam	p-Proofing under A p ror	
0329BH88A		Exterior Window Sill		Conci	rete/Limestone	P. T.
032 9 BH88B]	Exterior Window Sill		Conc	rete/Limestone S	艺术
Analysis Method: PLM [Based on the turnaround time EnviroScience if analyses will	indicated above, analy	yses are due to EnviroScience on requested TAT at (203) 374 - 374	or before	und Time:5		TOOK &
Email Results to: kmccarth FAX Results to: 888-838-116		Do Not Mail Hard Cop	y Report	Total # of Sampl	_	
		e sample in each homogeneous so sup Samples are <1% by PLM, an				
Samples collected by:		Date.				
:	•	Date				
-		Date				
Shipped To: EMSL S	tate NI 📗	Other	·			
F:\P2014\1268\A1E\lab_data\Sho	elton\COC_Shelton_BH_	2015-0406.docx				

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Method of Shipment: ☐ FedEx ☐ Lab Drop Off Other _

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet Mof 14

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Project Name: Fairfield F	Hills	Project No. 2	0141268.A1E	Date: <u>Ma</u>	arch 31, 2015
Site Address: <u>Keating Farm</u>	s Ave, Newtown, CT	Building Name: <u>Shelto</u>	n House	Project Manager: <u>Kevin</u>	McCarthy
Sample ID	San	nple Location		Type of Material	
0329BH89A	Exter	or Lower Apron		Concrete Apron	
0329BH89B	Exter	or Lower Apron		Concrete Apron	
0329BH90A	Exter	or Lower Apron		Concrete Apron Gro	out
0329BH90B	Exter	or Lower Apron		Concrete Apron Gro	out
0329BH91A		Exterior		Exterior Brick	
0329BH91B		Exterior		Exterior Brick	
0329BH92A		Exterior		Exterior Brick Gro	ut
0329BH92B		Exterior		Exterior Brick Gro	ut
0329BH93A	E	xterior Stairs		Exterior Concrete Step	Grout
0329BH93B	E	xterior Stairs		Exterior Concrete Step	Grout
*0329BH94A	E	kterior Stairs		Gray Caulking on Concre	ete Steps
0329BH94B	E	xterior Stairs		Gray Caulking on Concre	te Steps
0329BH95A	Exter	ior Roof System		Cementitious Roof Sh	ingle
0329BH95B	Exter	ior Roof System		Cementitious Roof Sh	ingle C
0329BH96A	Exter	ior Roof System		Roof Base Sheet	15 FB
0329BH96B	Exter	ior Roof System		Roof Base Sheet	第 300
Analysis Method: 🛛 PLM	TEM Other_		Turnarou	nd Time: 5 day	8 (50)
Based on the turnaround time EnviroScience if analyses will				us date:	Please cally
Email Results to: kmccarth FAX Results to: 888-838-116		Do Not Mail Hard C	opy Report T	Cotal # of Samples:	نے
Special Instructions: Stop a unless indicated. Do Not Pour TEM, NOB, per group.	nalysis on first positive nt Count. IF NOB gro	sample in each homogeneou up Samples are <1% by PLM	is set of sample i, analyze only '	s unless otherwise noted. Do 'A" group (as noted by aste	o not layer samples risk [*] above) by
Samples collected by:	B. Hobbins 3H	D a			<u> </u>
Samples Sent by:	B. Hobbins BU	D	ate: 4-2	7-15 Time	<u> </u>
Samples Received by:		D	ate:	Time	:
Shipped To: EMSL S	tate <u>NJ</u>	Other			
F:\P2014\1268\A1E\lab_data\Shr	elton\COC Shelton BH	2015-0406 docy			

From: GFI FaxMaker To: Kevin McCarthy Date: 4/15/2015 9:32:40 AM



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com EMSL Order ID: Customer ID: Customer PO:

Lab Sample ID:

Lab Sample ID:

041510098-0003

041510098-0004

041510098 ENVI54 20141268.A1E

Project ID:

Attn: Kevin McCarthy

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road

Manchester, CT 06040 Phone: (860) 646-2469 Fax:

(888) 838-1160 3/31/2015

Collected: Received: Analyzed:

4/08/2015 4/15/2015

Fairfield Hills / 20141268.A1E / Keating Farms Avenue, Newtown, CT / Shelton House Proj:

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

Lab Sample ID: Client Sample ID: 0329BH01A 041510098-0001

Sample Description: Attic/White Pipe Insulation

Analyzed Non-Asbestos **TEST** Date Color **Fibrous** Non-Fibrous Asbestos Comment PLM 4/12/2015 White 40% 0% 60% Chrysotile Lab Sample ID: 041510098-0002 Client Sample ID: 0329BH01B

Sample Description: 2nd Floor-Room 45/White Pipe Insulation

Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Stop Positive (Not Analyzed)

0329BH01C Sample Description: Basement/White Pipe Insulation

0329BH02A

Client Sample ID:

Client Sample ID:

Analyzed Non-Asbestos Fibrous Non-Fibrous TEST Date Color Comment Asbestos PLM 4/12/2015 Stop Positive (Not Analyzed)

Sample Description: Attic/Gray Mudded Pipe Fitting Insulation

Analyzed Non-Asbestos TEST Date Color **Fibrous** Non-Fibrous **Asbestos** Comment 4/12/2015 PLM 0% 30% 70% Chrysotile Gray

041510098-0005 0329BH02B Lab Sample ID: Client Sample ID:

Sample Description: Basement/Gray Mudded Pipe Fitting Insulation

Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous **Asbestos** Comment PLM 4/12/2015 Stop Positive (Not Analyzed) 041510098-0006 Client Sample ID: 0329BH02C Lab Sample ID:

Sample Description: 2nd Floor-Room 63/62/Gray Mudded Pipe Fitting Insulation

Analyzed Non-Asbestos Comment TEST Fibrous Non-Fibrous Date Color Asbestos PLM 4/12/2015 Stop Positive (Not Analyzed) Lab Sample ID: 041510098-0007 Client Sample ID:

Sample Description: Basement/Brown Cork Pipe Insulation

Analyzed Non-Asbestos TEST Comment Color **Fibrous** Non-Fibrous **Asbestos** PLM 4/12/2015 Brown 0% 100% None Detected

From: GFI FaxMaker To: Kevin McCarthy Page: 17/42 Date: 4/15/2015 9:32:40 AM



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200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com EMSL Order ID: Customer ID: Customer PO: 041510098 ENVI54 20141268.A1E

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:	0329BH03B			_		Lab Sample ID:	041510098-0008
Sample Description:	Attic/Brown Cork Pipe Insulati	on					
	6		A 1	* -b4			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%		None Detected		
Client Sample ID:	0329BH03C					Lab Sample ID:	041510098-0009
Sample Description:	1st Floor-Room 116/Brown Co	rk Pina Inculati	on (Bohrie)			Lab dampie ib	041010030 0003
	13t 11001-100111 110/blowi1 Oc	ik i ipe ilisulati	on (Debna)				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Brown	0%	100%	None Detected		
Client Sample ID:	0329BH04A					Lab Sample ID:	041510098-0010
Sample Description:	Basement/Black Tar on Cork F	Pipe Insulation					
	Analyzad		Non	-Asbestos			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%		None Detected		
TEM Grav. Reduction	4/15/2015	Black	0.0%		None Detected		
Client Sample ID:	0329BH04B					Lab Sample ID:	041510098-0011
Sample Description:	Attic/Black Tar on Cork Pipe Ir	sulation				•	
	7 more last rai on bonk rips ii						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH04C					Lab Sample ID:	041510098-0012
Sample Description:	1st Floor-Room 116/Black Tar	on Cork Pipe Ir	nsulation (Debr	is)			
	A1		N 1	*			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Black	0%		None Detected		
Client Sample ID:	0329BH05A					Lab Sample ID:	041510098-0013
Sample Description:	1st Floor-Room 88/Gray Radia	ator Insulation F	Paner				
	13t 11001 1tool 11007 Gray Itaali	ator madiation	арсі				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	60%	40% Chrysotile		
Client Sample ID:	0329BH05B					Lab Sample ID:	041510098-0014
Sample Description:	2nd Floor-Room 45/Gray Rad	ator Insulation	Paper				
	Analyzed	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
TEST	Data		FIDIOUS	MOTE INTOUS	ASDESIUS	Comment	
TEST PLM	Date 4/12/2015			Stop	Positive (Not Analyzed)		

Non-Asbestos

Fibrous Non-Fibrous

Asbestos

Stop Positive (Not Analyzed)

Comment

TEST

PLM

Analyzed

Date

4/12/2015

Color

From: GFI FaxMaker To: Kevin McCarthy Page: 18/42 Date: 4/15/2015 9:32:40 AM



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com EMSL Order ID: Customer ID: Customer PO: 041510098 ENVI54 20141268.A1E

Project ID:

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

					- P		
Client Sample ID:	0329BH06A					Lab Sample ID:	041510098-0016
Sample Description:	1st Floor-Room 118/Gray Ra	diator Insulation					
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015	Gray	0%	50%	50% Chrysotile		
Client Sample ID:	0329BH06B					Lab Sample ID:	041510098-0017
Sample Description:	1st Floor-Room 107/Gray Ra	idiator Insulation				•	
-		. = . =					
	Analyzed		Non-As	bestos			
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015			Stop F	ositive (Not Analyzed)		
Client Sample ID:	0329BH06C					Lab Sample ID:	041510098-0018
Sample Description:	1st Floor-Room 107/Gray Ra	diator Insulation					
	Anglyzad		Non A	sbestos			
TEST	Analyzed Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015				ositive (Not Analyzed)		
Client Sample ID:	0329BH07A			<u> </u>		Lab Sample ID:	041510098-0019
Sample Description:	Attic/HVAC Isolation Flex Co	nnector					
p.c Bootinpholii	AUIOTTYAO ISOIRUUT FIEX CU	IIIIGUIUI					
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015	Black	60%	40%	None Detected		
Client Sample ID:	0329BH07B					Lab Sample ID:	041510098-0020
Sample Description:	Attic/HVAC Isolation Flex Co	nnector					
TEAT	Analyzed			bestos			
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015	Black	60%	40%	None Detected		
Client Sample ID:	0329BH07C					Lab Sample ID:	041510098-0021
Sample Description:	Attic/HVAC Isolation Flex Co	nnector					
	Analyzed		Non-As	bestos			
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/13/2015	Black	60%	40%	None Detected		
Client Sample ID:	0329BH08A					Lab Sample ID:	041510098-0022
Sample Description:	1st Floor-Room 152/Backing	on Fiberolass Pin	e Insulation			-	
	STREET ROOM TOEFERONING	o i iborgidaa r ip	o modiation				
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH08B					Lab Sample ID:	041510098-0023
Sample Description:	1st Floor-Room 82/Backing o	on Fiberglass Pipe	Insulation				
TEST	Analyzed	Calc:		sbestos	Ash	Comment	
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	

4/13/2015

Gray

0%

100%

None Detected

PLM

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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

			olalizoa z		5663		
Client Sample ID:	0329BH09A					Lab Sample ID:	041510098-0024
Sample Description:	2nd Floor-Room 61/White Pla	aster Cast Ceilin	g Beam				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH09B					Lab Sample ID:	041510098-0025
Sample Description:	2nd Floor-Room 18/White Pla	aster Cast Ceilin	g Beam				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH09C					Lab Sample ID:	041510098-0026
Sample Description:	1st Floor-Room 88/White Pla	ıster Cast Ceiling	g Beam				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH10A					Lab Sample ID:	041510098-0027
Sample Description:	Attic Mechanical Room/Gray	Ceiling Panel					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	80%	20% Chrysotile		
Client Sample ID:	0329BH10B					Lab Sample ID:	041510098-0028
Sample Description:	Attic Mechanical Room/Gray	Ceiling Panel					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop F	Positive (Not Analyzed)		
Client Sample ID:	0329BH10C					Lab Sample ID:	041510098-0029
Sample Description:	Attic Mechanical Room/Gray	Ceiling Panel Se	eam Strip				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM .	4/12/2015			Stop F	Positive (Not Analyzed)		
Client Sample ID:	0329BH11A				_	Lab Sample ID:	041510098-0030
Sample Description:	Attic Mechanical Room/Silve	r Ceiling Panel B	Backing				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Silver	0%	100%	None Detected		
Client Sample ID:	0329BH11B					Lab Sample ID:	041510098-0031
Sample Description:	Attic Mechanical Room/Silve	r Ceiling Panel B	acking			-	
	Analyzed		Non	-Asbestos			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	

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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

		1.0	nanzeu L	ignit which osc	ору		
Client Sample ID:	0329BH11C					Lab Sample ID:	041510098-0032
Sample Description:	Attic Mechanical Room/Sil	ver Ceiling Panel Ba	acking				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Silver	0%	100%	None Detected		
Client Sample ID:	0329BH12A					Lab Sample ID:	041510098-0033
Sample Description:	Basement/Black Paper on	Ceiling Deck				-	
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	60%	40%	None Detected		
Client Sample ID:	0329BH12B					Lab Sample ID:	041510098-0034
Sample Description:	Basement/Black Paper on	Ceiling Deck				•	
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Black	80%	20%	None Detected		
Client Sample ID:	0329BH13A					Lab Sample ID:	041510098-0035
Sample Description:	Attic Mechanical Room/Gy	osum Wall Board				•	
	, and indentalined (Colling)	Positi Frai Bould					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown/White	12%	88%	None Detected		
Client Sample ID:	0329BH13B					Lab Sample ID:	041510098-0036
Sample Description:	2nd Floor Corridor at Roor	n 35/Gypsum Wall E	Board				
	A 1		Man	A -b4			
TEST	Analyzed Date	Color	Fibrous	-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown/White	12%		None Detected	Comment	
		<u>Diametrino</u>		0075	110110 2 0100100	Lab Sample ID:	041510098-0037
Client Sample ID: Sample Description:	0329BH13C	14(-II D				Lab Sample ID:	0-11310030-0037
Semple Description:	1st Floor-Room 96/Gypsu	n vvali Board					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Brown/White	12%	88%	None Detected		
Client Sample ID:	0329BH14A					Lab Sample ID:	041510098-0038
Sample Description:	Attic Mechanical Room/Ta	ping / Joint Compou	ınd			-	
•							
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH14B					Lab Sample ID:	041510098-0039
Sample Description:	2nd Floor Corridor at Roor	m 35/Taping / Joint (Compound				
	Analvzed		Non	-Asbestos			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	

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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:	0329BH14C			_		Lab Sample ID:	041510098-0040
Sample Description:	1st Floor-Room 96/Tapir	ng / Joint Compound					
TEST	Analyzed	0-1		-Asbestos	A-h	Comment	
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH15					Lab Sample ID:	041510098-0041
Sample Description:	3rd Floor-Room 2/Gypsu	um Wall Board & Taping	Joint Com	pound Composite			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Brown/Gray/White	17%	83%	None Detected		
Client Sample ID:	0329BH16A					Lab Sample ID:	041510098-0042
Sample Description:	2nd Floor-Room 16/Whit	te 6"x4" Ceiling Tile					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	95%	5%	None Detected		
Client Sample ID:	0329BH16B					Lab Sample ID:	041510098-0043
Sample Description:	1st Floor-Room 83/White	e 6"v4" Ceiling Tile					
odinpio Bodonpiioin	13t 1 1001-100111 03/44111t	e o x4 Ceiling file					
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Brown/White	95%	5%	None Detected		
Client Sample ID:	0329BH17A					Lab Sample ID:	041510098-0044
Sample Description:	1st Floor-Room 83/Brow	n Glue Daub on 6"x4" (Ceiling Tile				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%		4% Chrysotile		
			37.		,	Lab Cample ID:	041510000 0045
Client Sample ID:	0329BH17B					Lab Sample ID:	041510098-0045
Sample Description:	2nd Floor-Room 36/Brov	wn Glue Daub on 6"x4"	Ceiling Tile				
	Analyzed			-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	ositive (Not Analyzed)		
Client Sample ID:	0329BH18A					Lab Sample ID:	041510098-0046
Sample Description:	1st Floor-Room 82/White	e 1'x1' Ceiling Tile (Rou	gh Textured)			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	60%	40%	None Detected		
Client Sample ID:	0329BH18B					Lab Sample ID:	041510098-0047
Sample Description:	2nd Floor Corridor/White	e 1'x1' Ceiling Tile (Rou	gh Textured)				
	Analyzed		Non	-Asbestos			
TEST	Analyzeu D-4-	01	Cibarra	AL = 515	A -b4	Commont	

Fibrous Non-Fibrous

20%

80%

Asbestos

None Detected

Comment

Date

4/13/2015

Color

Gray/White

TEST

PLM



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

Lab Sample ID: 0.3298H198	Client Sample ID:	0329BH19A					Lab Sample ID:	041510098-0048
TEST	Sample Description:	1st Floor-Room 82/Yellow	Glue Daub on 1'x1'	Ceiling Tile (F	lough Textured)			
TEST		Analyzed		Non	-Asbestos			
Client Sample ID: 03298H108	TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
Client Sample Discription: Analyzed Analyzed Date Color Fibrous Non-Fibrous Analyzed Color Color Fibrous Non-Fibrous Analyzed Color Color Fibrous Non-Fibrous Analyzed Color	PLM	4/12/2015	Yellow	0%	100%	None Detected		
Middle Stainvell/Yellow Glue Daub on 1'x1' Ceiling Tile (Rough Textured) Analyzed TEST Date Color Fibrous Non-Fibrous Asbestos Comment	ΓΕΜ Grav. Reduction	4/15/2015	Yellow	0.0%	100%	None Detected		
TEST	Client Sample ID:	0329BH19B					Lab Sample ID:	041510098-0049
TEST	Sample Description:	Middle Stairwell/Yellow Gl	ue Daub on 1'x1' Ce	iling Tile (Rou	gh Textured)			
Analyzed		Analyzed		Non	-Asbestos			
Color Sample Disagraphion:	TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
Analyzed	PLM	4/13/2015	Yellow	0%	100%	None Detected		
TEST	Client Sample ID:	0329BH20A					Lab Sample ID:	041510098-0050
TEST	Sample Description:	3rd Floor-Room 12/White	1'x1' Ceiling Tile (Sn	nooth Pinhole)			
Client Sample ID: Sample ID:		Analyzed		Non	-Asbestos			
Cilient Sample ID: 0329BH20B 3rd Floor-Room 12/White 1'x1' Ceiling Tile (Smooth Pinhole)							Comment	
Analyzed	PLM	4/12/2015	Brown/White	95%	5%	None Detected		
Analyzed	Client Sample ID:	0329BH20B					Lab Sample ID:	041510098-0051
TEST	Sample Description:	3rd Floor-Room 12/White	1'x1' Ceiling Tile (Sn	nooth Pinhole)			
Client Sample D: 0329BH21A 3rd Floor-Room 4/White 2'x4' Ceiling Tile Lab Sample D: 041510098-005		Analyzed						
Collect Sample ID: 0329BH21A 3rd Floor-Room 4/White 2'x4' Ceiling Tile			Color			Asbestos	Comment	
Analyzed Non-Asbestos Asbestos Comment	PLM	4/13/2015	Brown/White	95%	5%	None Detected		
Analyzed	Client Sample ID:	0329BH21A					Lab Sample ID:	041510098-0052
TEST Date Color Fibrous Non-Fibrous Asbestos Comment	Sample Description:	3rd Floor-Room 4/White 2	x4' Ceiling Tile					
PLM		Analyzed		Non	-Asbestos			
Client Sample ID: 0329BH21B Lab Sample ID: 041510098-00555	TEST	-	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
Sample Description: 1st Floor-Room 97/White 2'x4' Ceiling Tile Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/13/2015 Gray/White 90% 10% None Detected Client Sample ID: 0329BH22A Lab Sample ID: 041510098-005 Sample Description: 2nd Floor-Room 35/Black Damp-Proofing / Tar on Exterior Wall behind Plaster Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected	PLM	4/12/2015	Gray/White	80%	20%	None Detected		
Sample Description: 1st Floor-Room 97/White 2'x4' Ceiling Tile Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/13/2015 Gray/White 90% 10% None Detected Client Sample ID: 0329BH22A Lab Sample ID: 041510098-005 Sample Description: 2nd Floor-Room 35/Black Damp-Proofing / Tar on Exterior Wall behind Plaster Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected	Client Sample ID:	0329BH21B					Lab Sample ID:	041510098-0053
TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/13/2015 Gray/White 90% 10% None Detected Client Sample ID: 0329BH22A Lab Sample ID: 041510098-005-005-005-005-005-005-005-005-005-00	Sample Description:	1st Floor-Room 97/White	2'x4' Ceiling Tile					
PLM 4/13/2015 Gray/White 90% 10% None Detected Client Sample ID: 0329BH22A Lab Sample ID: 041510098-0054 Sample Description: 2nd Floor-Room 35/Black Damp-Proofing / Tar on Exterior Wall behind Plaster Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected		Analyzed		Non	-Asbestos			
Client Sample ID: 0329BH22A Sample Description: 2nd Floor-Room 35/Black Damp-Proofing / Tar on Exterior Wall behind Plaster Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected							Comment	
Sample Description: 2nd Floor-Room 35/Black Damp-Proofing / Tar on Exterior Wall behind Plaster Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected	PLM	4/13/2015	Gray/White	90%	10%	None Detected		
Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected	Client Sample ID:	0329BH22A					Lab Sample ID:	041510098-0054
TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected	Sample Description:	2nd Floor-Room 35/Black	Damp-Proofing / Tai	r on Exterior V	Vall behind Plaster			
PLM 4/12/2015 Black 0% 100% None Detected								
							Comment	
I EM Grav. Reduction 4/15/2015 Black 0.0% 100% None Detected								
	LEM Grav. Reduction	4/15/2015	Black	0.0%	100%	None Detected		

Non-Asbestos

Fibrous Non-Fibrous

0%

100%

Asbestos

None Detected

Comment

TEST

PLM

Analyzed

Date

4/12/2015

Color

Black

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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

			Jianized Lig		F J		
Client Sample ID:	0329BH22C					Lab Sample ID:	041510098-0056
Sample Description:	2nd Floor-Room 35/Black Dam	p-Proofing / Ta	ır on Exterior Wall	l behind Plaster			
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/13/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH23A					Lab Sample ID:	041510098-0057
Sample Description:	1st Floor-Room 82/Gray Ceme	ntitious Panel I	Radiator Top				
	Analyzed		Non-As	bestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	80%	20% Chrysotile		
Client Sample ID:	0329BH23B					Lab Sample ID:	041510098-0058
Sample Description:	1st Floor-Room 82/Gray Ceme	ntitious Panel I	Radiator Top				
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop F	Positive (Not Analyzed)		
Client Sample ID:	0329BH24A					Lab Sample ID:	041510098-0059
Sample Description:	3rd Floor-Room 4/Blackboard						
	Analyzed			sbestos		_	
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH24B					Lab Sample ID:	041510098-0060
Sample Description:	3rd Floor-Room 4/Blackboard						
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH25A					Lab Sample ID:	041510098-0061
Sample Description:	2nd Floor-Room 49/Black Sink	Undercoat					
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	96%	4% Chrysotile		
Client Sample ID:	0329BH25B					Lab Sample ID:	041510098-0062
Sample Description:	2nd Floor-Room 49/Black Sink	Undercoat					
	Analyzed		Non-As			_	
TEST	Date	Color	Fibrous N		Asbestos	Comment	
PLM	4/12/2015			Stop F	Positive (Not Analyzed)		
Client Sample ID:	0329BH26A					Lab Sample ID:	041510098-0063
Sample Description:	1st Floor-Room 96/White Coun	tertop / Glue					
	Analyzed		Non-As	sbestos			
TEST	Doto	Color	Cibroup N	on Eibraua	Achostos	Comment	

Fibrous Non-Fibrous

100%

100%

0%

0.0%

Asbestos

None Detected

None Detected

Comment

Date

4/12/2015

4/15/2015

Color

Yellow

Yellow

TEST

TEM Grav. Reduction

PLM

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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:
 0329BH26B
 Lab Sample ID:
 041510098-0064

Sample Description: 1st Floor-Room 96/White Countertop / Glue

Analyzed Non-Asbestos Fibrous Non-Fibrous Comment TEST Date Color Asbestos PLM 4/12/2015 Yellow በ% 100% None Detected 041510098-0065 Lab Sample ID: Client Sample ID: 0329BH27A

Sample Description: 2nd Floor-Room 61/Tan Countertop / Glue

Non-Ashestos Analyzed TEST Date Color **Fibrous** Non-Fibrous **Asbestos** Comment PLM 4/12/2015 Yellow 0% 100% None Detected 4/15/2015 100% TEM Grav. Reduction Yellow 0.0% None Detected

 Client Sample ID:
 0329BH27B
 Lab Sample ID:
 041510098-0066

Sample Description: 1st Floor-Room 97/Tan Countertop / Glue

 Analyzed
 Non-Asbestos

 TEST
 Date
 Color
 Fibrous
 Non-Fibrous
 Asbestos
 Comment

 PLM
 4/12/2015
 Yellow
 0%
 100%
 None Detected

 Client Sample ID:
 0329BH28A
 Lab Sample ID:
 041510098-0067

Sample Description: 2nd Floor-Room 25/Blue Countertop / Glue

Analyzed Non-Asbestos TEST Non-Fibrous Comment Date Color **Fibrous** Asbestos PLM 4/12/2015 Purple 0% 100% None Detected TEM Grav. Reduction 4/15/2015 0.0% 100% None Detected Purple

 Client Sample ID:
 0329BH28B
 Lab Sample ID:
 041510098-0068

Sample Description: 2nd Floor-Room 25/Blue Countertop / Glue

 PLM
 Analyzed
 Non-Asbestos

 TEST
 Date
 Color
 Fibrous
 Non-Fibrous
 Asbestos
 Comment

 PLM
 4/12/2015
 Puple
 0%
 100%
 None Detected

 Client Sample ID:
 0329BH29A

 Lab Sample ID:
 041510098-0069

Sample Description: 1st Floor-Room 104/Black Countertop / Glue

Analyzed Non-Asbestos TEST Date Color **Fibrous** Non-Fibrous Asbestos Comment PLM 4/12/2015 Yellow 0% 100% None Detected 4/15/2015 0.0% 100% None Detected TEM Grav. Reduction Black

 Client Sample ID:
 0329BH29B
 Lab Sample ID:
 041510098-0070

Sample Description: 1st Floor-Room 104/Black Countertop / Glue

 Analyzed
 Non-Asbestos

 TEST
 Date
 Color
 Fibrous
 Non-Fibrous
 Asbestos
 Comment

 PLM
 4/12/2015
 Yellow
 0%
 100%
 None Detected

 Client Sample ID:
 0329BH30A
 Lab Sample ID:
 041510098-0071

Sample Description: 3rd Floor/White Caulking on Electrical Wire Inside Metal Drinking Fountain

 Analyzed
 Non-Asbestos

 TEST
 Date
 Color
 Fibrous
 Non-Fibrous
 Asbestos
 Comment

 PLM
 4/12/2015
 Gray
 0%
 90%
 10%
 Chrysotile

From: GFI FaxMaker To: Kevin McCarthy Page: 25/42 Date: 4/15/2015 9:32:40 AM



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200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com EMSL Order ID: Customer ID: Customer PO: 041510098 ENVI54 20141268.A1E

Project ID:

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

		P	olarized L	ignt Microsc	ору		
Client Sample ID:	0329BH30B					Lab Sample ID:	041510098-0072
Sample Description:	3rd Floor/White Caulking or	Electrical Wire In	nside Metal Drin	king Fountain			
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop Po	ositive (Not Analyzed)		
Client Sample ID:	0329BH31A					Lab Sample ID:	041510098-0073
Sample Description:	Basement Mechanical Roor	n/Black Caulking	on Electrical Wi	re			
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
TEM Grav. Reduction	4/15/2015	Black	0.0%	100%	None Detected		
Client Sample ID:	0329BH31B					Lab Sample ID:	041510098-0074
Sample Description:	Basement Mechanical Roor	n/Black Caulking	on Electrical Wi	re			
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH32A					Lab Sample ID:	041510098-0075
Sample Description:	3rd Floor-Room 4/Electrical	Wire Coating					
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	90%	10%	None Detected		
Client Sample ID:	0329BH32B					Lab Sample ID:	041510098-0076
Sample Description:	3rd Floor-Room 4/Electrical	Wire Coating					
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	85%	15%	None Detected		
Client Sample ID:	0329BH33A					Lab Sample ID:	041510098-0077
Sample Description:	2nd Floor-Room 25/Tan Inte	rior Window Glaz	zing				
	Analyzed		Non-	Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
TEM Grav. Reduction	4/15/2015	Tan	0.0%	100%	None Detected		
Client Sample ID:	0329BH33B					Lab Sample ID:	041510098-0078
Sample Description:	1st Floor-Room 82/Tan Inte	ior Window Glazi	ing				
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH33C					Lab Sample ID:	041510098-0079

Non-Asbestos

Fibrous Non-Fibrous

0%

100%

Asbestos

None Detected

Comment

2nd Floor-Room 77/Tan Interior Window Glazing

Color

Tan

Analyzed

Date

4/12/2015

Sample Description:

TEST

PLM

To: Kevin McCarthy Page: 26/42 Date: 4/15/2015 9:32:40 AM



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041510098 ENVI54 20141268.A1E

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:	0329BH34A					Lab Sample ID:	041510098-0080
ample Description:	3rd Floor-Room 4/Tan Cera	ımic Wall Tile					
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan/White	0%	100%	None Detected		
lient Sample ID:	0329BH34B					Lab Sample ID:	041510098-0081
Sample Description:	2nd Floor-Room 45/Tan Ce	ramic Wall Tile					
TEAT	Analyzed	0.4		-Asbestos	A-b4	C	
TEST PLM	Date 4/12/2015	Color Tan/White	- Fibrous 0%	Non-Fibrous 100%	Asbestos	Comment	
		Tan/vville	076	100%	None Detected		
lient Sample ID:	0329BH35A					Lab Sample ID:	041510098-0082
Sample Description:	3rd Floor-Room 4/Ceramic	Wall Tile Grout					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH35B					Lab Sample ID:	041510098-0083
Sample Description:	2nd Floor-Room 45/Cerami	ic Wall Tile Grout				·	
	Zna noor-room 45/ocram	c wan riic Crout					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH36A					Lab Sample ID:	041510098-0084
Sample Description:	3rd Floor-Room 4/Ceramic	Wall Tile Thinset					
	Analyzed		Non	-Asbestos			
TEST	Analyzed Date	Color	Non Fibrous	-Asbestos Non-Fibrous	Asbestos	Comment	
		Color Gray		Non-Fibrous	Asbestos None Detected	Comment	
PLM	Date		Fibrous	Non-Fibrous		Comment Lab Sample ID:	041510098-0085
PLM Client Sample ID:	Date 4/12/2015	Gray	Fibrous	Non-Fibrous			041510098-0085
PLM Client Sample ID:	Date 4/12/2015 0329BH36B	Gray	Fibrous	Non-Fibrous			041510098-0085
PLM Client Sample ID:	Date 4/12/2015 0329BH36B	Gray	Fibrous 0%	Non-Fibrous			041510098-0085
PLM Client Sample ID: Sample Description: TEST	Date 4/12/2015 0329BH36B 2nd Floor-Room 45/Cerami Analyzed Date	Gray ic Wall Tile Thinset Color	Fibrous 0% Non	Non-Fibrous 100%			041510098-0085
PLM Client Sample ID: Sample Description: TEST	Date 4/12/2015 0329BH36B 2nd Floor-Room 45/Cerami	Gray ic Wall Tile Thinset	Fibrous 0% Non	Non-Fibrous 100% -Asbestos Non-Fibrous	None Detected	Lab Sample ID:	041510098-0085
PLM Client Sample ID: Sample Description: TEST	Date 4/12/2015 0329BH36B 2nd Floor-Room 45/Cerami Analyzed Date	Gray ic Wall Tile Thinset Color	Fibrous 0% Non Fibrous	Non-Fibrous 100% -Asbestos Non-Fibrous	None Detected Asbestos	Lab Sample ID:	041510098-0085 041510098-0086
Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Date 4/12/2015 0329BH36B 2nd Floor-Room 45/Cerami Analyzed Date 4/12/2015	Gray ic Wall Tile Thinset Color Gray	Fibrous 0% Non Fibrous	Non-Fibrous 100% -Asbestos Non-Fibrous	None Detected Asbestos	Lab Sample ID: Comment	
Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Date	Gray ic Wall Tile Thinset Color Gray	Fibrous Non- Fibrous 0%	Asbestos Non-Fibrous 100%	None Detected Asbestos	Lab Sample ID: Comment	
Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Date 4/12/2015 0329BH36B 2nd Floor-Room 45/Cerami Analyzed Date 4/12/2015	Gray ic Wall Tile Thinset Color Gray	Fibrous Non- Fibrous 0% Vall Tile	Non-Fibrous 100% -Asbestos Non-Fibrous	None Detected Asbestos	Lab Sample ID: Comment	
Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description:	Date	Gray C Wall Tile Thinset Color Gray Glue on Ceramic V	Fibrous Non Fibrous 0% Vall Tile Non Fibrous	-Asbestos 100% -Asbestos Non-Fibrous -Asbestos Non-Fibrous	Asbestos None Detected	Lab Sample ID: Comment Lab Sample ID:	
Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description: TEST	Date 4/12/2015 0329BH36B 2nd Floor-Room 45/Cerami Analyzed Date 4/12/2015 0329BH37A 2nd Floor-Room 45/Yellow Analyzed Date	Gray Color Gray Glue on Ceramic V Color	Fibrous Non- Fibrous 0% Vall Tile	-Asbestos Non-Fibrous 100% -Asbestos Non-Fibrous 100%	Asbestos Asbestos Asbestos	Lab Sample ID: Comment Lab Sample ID:	
Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description:	Date	Gray Color Gray Glue on Ceramic V Color Yellow	Fibrous Non Fibrous Vall Tile Non Fibrous 0%	-Asbestos 100% -Asbestos Non-Fibrous -Asbestos Non-Fibrous 100%	Asbestos None Detected Asbestos None Detected None Detected	Lab Sample ID: Comment Lab Sample ID:	

Non-Asbestos

Fibrous Non-Fibrous

100%

0%

Asbestos

None Detected

Comment

TEST

PLM

Analyzed

Date

4/12/2015

Color

Yellow

From: GFI FaxMaker To: Kevin McCarthy Page: 27/42 Date: 4/15/2015 9:32:40 AM



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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

		1 0	nanized L	ight micros	сору		
Client Sample ID:	0329BH38A					Lab Sample ID:	041510098-0088
Sample Description:	3rd Floor-Room 4/Black G	lue on Ceramic Wall	Tile				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%		15% Chrysotile		
Client Sample ID:	0329BH38B					Lab Sample ID:	041510098-0089
Sample Description:	2nd Floor-Room 40/Black	Glue on Ceramic Wa	all Tile			•	
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop F	Positive (Not Analyzed)		
Client Sample ID:	0329BH39A					Lab Sample ID:	041510098-0090
Sample Description:	2nd Floor-Room 40/Gray (Ceramic Wall Tile					
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray/White	0%		None Detected		
Client Sample ID:	0329BH39B					Lab Sample ID:	041510098-0091
Sample Description:	2nd Floor-Room 40/Gray (Ceramic Wall Tile					
	End Floor-Room 40/Gray (SCIAITIIC VVAII TIIC					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray/White	0%	100%	None Detected		
Client Sample ID:	0329BH40A					Lab Sample ID:	041510098-0092
Sample Description:	2nd Floor-Room 40/Ceran	nic Wall Tile Grout					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH40B					Lab Sample ID:	041510098-0093
Sample Description:	2nd Floor-Room 40/Ceran	nic Wall Tile Grout					
TECT	Analyzed	0.4		-Asbestos	A - L 4	0	
TEST	4/12/2015	Color		Non-Fibrous	Asbestos None Detected	Comment	
PLM		White	0%	100%	None Detected		
Client Sample ID:	0329BH41A					Lab Sample ID:	041510098-0094
Sample Description:	2nd Floor Corridor-Womer	n's Bathroom/Pink C	eramic Wall T	īle			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White/Pink	0%	100%	None Detected		
Client Sample ID:	0329BH41B					Lab Sample ID:	041510098-0095
Sample Description:	2nd Floor Corridor-Womer	n's Bathroom/Pink C	eramic Wall T	īle		-	
	Analyzed	• •		-Asbestos		0 1	
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White/Pink	0%	100%	None Detected		

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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:	0329BH42A					Lab Sample ID:	041510098-0096
Sample Description:	2nd Floor Corridor-Wome	n's Bathroom/Ceram	ic Wall Tile G	rout			
	Amalyanad		Non	-Asbestos			
TEST	Analyzed Date	Color		-Aspestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%		None Detected	Comment	
		City		10075	None Detected		
Client Sample ID:	0329BH42B					Lab Sample ID:	041510098-0097
Sample Description:	2nd Floor Corridor-Wome	n's Bathroom/Ceram	ic Wall Tile G	rout			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH43A					Lab Sample ID:	041510098-0098
Sample Description:	1st Floor-Room 127/Yello	w Ceramic Wall Tile				•	
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White/Yellow	0%	100%	None Detected		· · · · · · · · · · · · · · · · · · ·
Client Sample ID:	0329BH43B					Lab Sample ID:	041510098-0099
Sample Description:	1st Floor-Room 127/Yello	w Ceramic Wall Tile					
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White/Yellow	0%		None Detected	Common	
Client Sample ID:	0329BH44A					Lab Sample ID:	041510098-0100
Sample Description:	1st Floor-Room 127/Cera	mio Wall Tilo Crout				zas campie is:	041010030 0100
sumple Description.	ist Floor-Room 127/Ceta	mic waii nie Grout					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH44B					Lab Sample ID:	041510098-0101
Sample Description:	1st Floor-Room 127/Cera	mic Wall Tile Grout					
	Analyzed			-Asbestos	• • •		
TEST PLM	4/12/2015	Color	Fibrous 0%	Non-Fibrous 100%	Asbestos None Detected	Comment	
		Gray	U76	10076	None Detected	1-1-0- 1-1-	0.44540000 0.400
Client Sample ID:	0329BH45A					Lab Sample ID:	041510098-0102
Sample Description:	2nd Floor-Room 44/Yellov	v / White Ceramic Wa	all Block				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH45B					Lab Sample ID:	041510098-0103
Sample Description:	2nd Floor-Room 49/Yellov	v / White Ceramic Wa	all Block				
	Analyzed			-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	

100%

None Detected

4/12/2015

Tan

PLM

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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

				igin illioi eee	~P3		
Client Sample ID:	0329BH46A					Lab Sample ID:	041510098-0104
Sample Description:	2nd Floor-Room 44/Ceramio	Wall Block Grou	t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH46B					Lab Sample ID:	041510098-0105
Sample Description:	2nd Floor-Room 49/Ceramio	Wall Block Grou	t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH47A					Lab Sample ID:	041510098-0106
Sample Description:	Southwest Stairwell/Tan Cer	amic Wall Block					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH47B					Lab Sample ID:	041510098-0107
Sample Description:	Northwest Stairwell/Tan Cera	amic Wall Block					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH48A					Lab Sample ID:	041510098-0108
Sample Description:	Southwest Stairwell/Ceramic	Wall Block Grou	t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH48B					Lab Sample ID:	041510098-0109
Sample Description:	Northwest Stairwell/Ceramic	Wall Block Grout	t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH49A					Lab Sample ID:	041510098-0110
Sample Description:	3rd Floor-Room 4/Tan / Brov	vn Ceramic Floor	Tile				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%	100%	None Detected		
Client Sample ID:	0329BH49B					Lab Sample ID:	041510098-0111
Sample Description:	3rd Floor-Room 4/Tan / Brow	vn Ceramic Floor	Tile				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%	100%	None Detected		

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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:	0329BH50A					Lab Sample ID:	041510098-0112
Sample Description:	3rd Floor-Room 4/Ceramic F	loor Tile Grout					
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH50B					Lab Sample ID:	041510098-0113
Sample Description:	3rd Floor-Room 4/Ceramic F	loor Tile Grout					
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH51A					Lab Sample ID:	041510098-0114
Sample Description:	1st Floor-Room 127/Tan Cer	amic Floor Tile					
	Analyzed		Non-	Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH51B					Lab Sample ID:	041510098-0115
Sample Description:	1st Floor-Room 127/Tan Cer	amic Floor Tile					
	Analyzed		Non-	Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH52A					Lab Sample ID:	041510098-0116
Sample Description:	1st Floor-Room 127/Ceramio	Floor Tile Grout					
	Analyzed			Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH52B					Lab Sample ID:	041510098-0117
Sample Description:	1st Floor-Room 127/Ceramic	Floor Tile Grout					
	Analyzed			Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH53A					Lab Sample ID:	041510098-0118
Sample Description:	2nd Floor-Room 40/White / 0	Gray Ceramic Flo	or Tile				
	Analyzed			Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	100%	None Detected		
Client Sample ID:	0329BH53B					Lab Sample ID:	041510098-0119
Sample Description:	2nd Floor-Room 24/White / 0	Gray Ceramic Flo	or Tile				

Fibrous Non-Fibrous

100%

0%

Asbestos

None Detected

Comment

Date

4/13/2015

Color

White

TEST

PLM

From: GFI FaxMaker To: Kevin McCarthy Page: 31/42 Date: 4/15/2015 9:32:40 AM



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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:	0329BH54A					Lab Sample ID:	041510098-0120
Sample Description:	2nd Floor-Room 40/Ceram	ic Floor Tile Grout					
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH54B					Lab Sample ID:	041510098-0121
Sample Description:	2nd Floor-Room 24/Ceram	ic Floor Tile Grout					
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Gray	0%		None Detected	Comment	
		Glay	0 /0	10078	None Detected		
Client Sample ID:	0329BH55A					Lab Sample ID:	041510098-0122
Sample Description:	2nd Floor-Room 40/Ceram	iic Floor Tile Thinse	t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH55B					Lab Sample ID:	041510098-0123
Sample Description:	2nd Floor-Room 40/Ceram	ic Floor Tile Thinse	t			•	
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH56A					Lab Sample ID:	041510098-0124
Sample Description:	2nd Floor-Room 63/White	w/ Gray Specks Ce	ramic Floor Ti	le			
	Analyzed			-Asbestos			
TEST PLM	4/12/2015	Color	Fibrous 0%	Non-Fibrous	Asbestos Nana Datastad	Comment	
		Gray/White	070	100%	None Detected		
Client Sample ID:	0329BH56B					Lab Sample ID:	041510098-0125
Sample Description:	1st Floor-Room 92/White v	v/ Gray Specks Cer	amic Floor Til	e			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	White	0%		None Detected		
Client Sample ID:	0329BH57A					Lab Sample ID:	041510098-0126
Sample Description:		io Floor Tie Oreid				zas campio io.	
campic beautipuon.	2nd Floor-Room 63/Ceram	iic rioor tile Grout					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH57B					Lab Sample ID:	041510098-0127
Sample Description:	1st Floor-Room 92/Cerami	c Floor Tile Grout					
	Analyzed	<u>.</u> .		-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Gray	0%	100%	None Detected		

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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

		r	Olalized L	igni microsc	ОРУ		
Client Sample ID:	0329BH58A					Lab Sample ID:	041510098-0128
Sample Description:	2nd Floor Corridor Women's E	Bathroom/Pink	Ceramic Floor	Γile			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Pink	0%	100%	None Detected		
Client Sample ID:	0329BH58B					Lab Sample ID:	041510098-0129
Sample Description:	1st Floor Corridor Women's B	athroom/Pink (Ceramic Floor T	ile			01101000001
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Pink	0%	100%	None Detected		
Client Sample ID:	0329BH59A					Lab Sample ID:	041510098-0130
Sample Description:	2nd Floor Corridor Women's E	Bathroom/Cerai	mic Floor Tile G	Grout			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%		None Detected		
						Lob Co1- 15:	0.4454.0000.0404
Client Sample ID:	0329BH59B					Lab Sample ID:	041510098-0131
Sample Description:	1st Floor Corridor Women's B	athroom/Ceran	nic Floor Tile Gi	rout			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Gray	0%	100%	None Detected		,
Client Sample ID:	0329BH60A					Lab Sample ID:	041510098-0132
Sample Description:	2nd Floor-Room 41/6" Brown	Cove Base					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%	100%	None Detected		
Client Sample ID:	0329BH60B					Lab Sample ID:	041510098-0133
Sample Description:	3rd Floor-Room 2/6" Brown C	ove Base					
•		5 5 5					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%	100%	None Detected		
Client Sample ID:	0329BH61A					Lab Sample ID:	041510098-0134
Sample Description:	2nd Floor-Room 22/6" Black (Cove Base				-	
	Did Noon LEG Black						
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH61B					Lab Sample ID:	041510098-0135
Sample Description:	2nd Floor-Room 22/6" Black (Cove Base					
	Analyzed			-Asbestos		_	
	5-4-	Color	Eibrous	Non-Fibrous	Asbestos	Comment	
TEST PLM	Date 4/12/2015	Black	0%		None Detected		

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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:	0329BH62A					Lab Sample ID:	041510098-0136
Sample Description:	2nd Floor-Room 41/Brown Co	ove Base Glue					
TEST	Analyzed	Colon		-Asbestos	A-b	Commont	
PLM	4/12/2015	Color Brown	Fibrous 0%	Non-Fibrous 100%	Asbestos None Detected	Comment	
TEM Grav. Reduction	4/15/2015	Brown	0.0%		None Detected		
Client Sample ID:	0329BH62B					Lab Sample ID:	041510098-0137
Sample Description:	2nd Floor-Room 22/Brown Co	ove Base Glue					
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Brown	0%	100%	None Detected		
Client Sample ID:	0329BH63A					Lab Sample ID:	041510098-0138
Sample Description:	1ST Floor Lobby/Black Slate	Cove Base					
	A 1		A 1	-Asbestos			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%		None Detected	Comment	
		Didok		. 10075	Hone Detected	Lab Sample ID:	041510098-0139
Client Sample ID: Sample Description:	0329BH63B	0 D				Lab Sample ID.	041010056-0135
Sample Description.	1ST Floor Lobby/Black Slate	Cove Base					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH64A					Lab Sample ID:	041510098-0140
Sample Description:	Middle Stairwell/Black Slate S	Stair Tread					
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH64B					Lab Sample ID:	041510098-0141
Sample Description:	Middle Stairwell/Black Slate S	Stair Tread					
	Analyzed			-Asbestos		0	
TEST PLM	4/12/2015	Color Gray	Fibrous 0%	Non-Fibrous 100%	Asbestos None Detected	Comment	
		Cray	0 70	, 10076	Moue Defected	lab Sample ID:	0.41510009 04.43
Client Sample ID:	0329BH65A					Lab Sample ID:	041510098-0142
Sample Description:	2nd Floor-Room 49/Terrazzo	FIOOT					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH65B					Lab Sample ID:	041510098-0143
Sample Description:	2nd Floor-Room 14/Terrazzo	Floor					
TECT	Analyzed	0.1		-Asbestos	A-6. (0	
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	

4/12/2015

Gray

0%

100%

None Detected

PLM

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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:	0329BH66A					Lab Sample ID:	041510098-0144
Sample Description:	Northeast Stairwell/Yello	w Stair Tread Glue					
TEST	Analyzed	Calan		-Asbestos Non-Fibrous	A -b4	Comment	
PLM	Date 4/12/2015	Color Yellow	0%		Asbestos None Detected	Comment	
TEM Grav. Reduction	4/15/2015	Yellow	0.0%	100%	None Detected		
		Tellow	0.076	10076	None Detected		
Client Sample ID:	0329BH66B					Lab Sample ID:	041510098-0145
Sample Description:	Northeast Stairwell/Yello	w Stair Tread Glue					
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Yellow	0%		None Detected		
						Lab Cample ID:	044540000 0446
Client Sample ID:	0329BH67A					Lab Sample ID:	041510098-0146
Sample Description:	3rd Floor-Room 4/Yellow	/ Carpet Glue					
	Applyand		Non	-Asbestos			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Yellow	0%		None Detected		
TEM Grav. Reduction	4/15/2015	Yellow	0.0%		None Detected		
		1011044	0.075	10078	Hone Beleeled	1-1-01-10-	044540000 0447
Client Sample ID:	0329BH67B					Lab Sample ID:	041510098-0147
Sample Description:	2nd Floor-Room 42/Yello	w Carpet Glue					
	A1:d		A1	A-1 4			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Yellow	0%		None Detected	Comment	
		1 GIIOW		10078	None Detected		
Client Sample ID:	0329BH68A					Lab Sample ID:	041510098-0148
Sample Description:	Basement/Black Floor Le	eveler at Corridor Doo	orway				
			••				
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%		None Detected	Comment	
		Didok		10078	Notic Detected		
Client Sample ID:	0329BH68B					Lab Sample ID:	041510098-0149
Sample Description:	Basement/Black Floor Le	eveler at Corridor Doo	orway				
	Applyand		Non	-Asbestos			
TEST	Analyzed Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%		None Detected	-	
	0329BH69A				<u> </u>	Lab Sample ID:	041510098-0150
Client Sample ID:						Lan Sample ID:	v -1 13 10030-0 130
Sample Description:	3rd Floor-Room1/Black F	Floor Mastic					
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%		None Detected		
LIVI							
	4/15/2015	Black	0.0%	94.176	5.9% Chrysotile		
TEM Grav. Reduction Client Sample ID:	4/15/2015 0329BH69B	Black	0.0%	94.176	5.9% Chrysotile	Lab Sample ID:	041510098-0151

Non-Asbestos Fibrous Non-Fibrous

96%

0%

TEST

PLM

Analyzed

Date

4/12/2015

Color

Black

Comment

Asbestos

4% Chrysotile

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Project ID:

			, and L	igiit iiiiei eee	- P J		
Client Sample ID:	0329BH69C					Lab Sample ID:	041510098-0152
Sample Description:	1st Floor-Room 116/Black F	loor Mastic					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop Po	ositive (Not Analyzed)		
Client Sample ID:	0329BH70A					Lab Sample ID:	041510098-0153
Sample Description:	Attic/Terracotta Block						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan/Silver	0%	100%	None Detected		
Client Sample ID:	0329BH70B					Lab Sample ID:	041510098-0154
Sample Description:	Attic/Terracotta Block						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan/Silver	0%	100%	None Detected		
Client Sample ID:	0329BH71A					Lab Sample ID:	041510098-0155
Sample Description:	Attic/Terracotta Block Grout						
	Analyzed		Non	-Asbestos			
TEST	Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray/Silver	0%		None Detected	22	
Client Sample ID:	0329BH71B	J			23.00.00	Lab Sample ID:	041510098-0156
Sample Description:						zas campie is.	571010000-0100
oumpie Description.	Attic/Teπacotta Block Grout						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray/Silver	0%	100%	None Detected		
Client Sample ID:	0329BH72A					Lab Sample ID:	041510098-0157
Sample Description:	Attic/Brick					-	
	, and whole						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Red	0%	100%	None Detected		
Client Sample ID:	0329BH72B					Lab Sample ID:	041510098-0158
Sample Description:	Basement/Brick						
	Analyzed		Non	-Asbestos			
		Color	Fibrous	Non-Fibrous	Asbestos	Comment	
TEST	Date						
	Date 4/12/2015	Red	0%	100%	None Detected		
PLM			0%	100%	None Detected	Lab Sample ID:	041510098-0159
PLM Client Sample ID:	4/12/2015		0%	100%	None Detected	Lab Sample ID:	041510098-0159
TEST PLM Client Sample ID: Sample Description:	4/12/2015 0329BH73A Attic/Brick Grout				None Detected	Lab Sample ID:	041510098-0159
PLM Client Sample ID:	4/12/2015 0329BH73A		Non	-Asbestos Non-Fibrous	None Detected Asbestos	Lab Sample ID:	041510098-0159

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Client Sample ID:	0329BH73B					Lab Sample ID:	041510098-0160
Sample Description:	Basement/Brick Grout						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH74A					Lab Sample ID:	041510098-0161
Sample Description:	Attic-Mechanical Room/Dark	Gray Concrete	Block				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH74B					Lab Sample ID:	041510098-0162
Sample Description:	Attic-Mechanical Room/Dark	Gray Concrete	Block			•	
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH75A	· · · · · · · · · · · · · · · · · · ·				Lab Sample ID:	041510098-0163
Sample Description:	Attic-Mechanical Room/Cond	rata Block Crass	+			zas campic io.	2.10.1000
sample Description.	Allic-iviecnanical Room/Cond	гете втоск стоп	L				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH75B					Lab Sample ID:	041510098-0164
Sample Description:	Attic-Mechanical Room/Cond	rete Block Grou	t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%		None Detected		
Client Sample ID:	0329BH76A					Lab Sample ID:	041510098-0165
Sample Description:		to Plank				200 00	011010000
sample Description.	Basement/Light Gray Concre	ете втоск					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH76B					Lab Sample ID:	041510098-0166
Sample Description:	Basement/Light Gray Concre	ete Block					
	Basement By Gold Gray Collete	NO DIOUK					
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH77A					Lab Sample ID:	041510098-0167
Sample Description:		ro. rt					
sample Description.	Basement/Concrete Block G	iout					
sample Description.		ioui	Non	-Asbestos			
TEST	Basement/Concrete Block G Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	

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				<u> </u>	1 7		
Client Sample ID:	0329BH77B					Lab Sample ID:	041510098-0168
Sample Description:	Basement/Concrete Block Gro	ut					
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%		None Detected	Comment	
		Clay		10078	None Detected		
Client Sample ID:	0329BH78A					Lab Sample ID:	041510098-0169
Sample Description:	1st Floor-Room 138/Skim Coa	t Concrete on T	erracotta Wall				
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	98%	2% Chrysotile		
Client Sample ID:	0329BH78B					Lab Sample ID:	041510098-0170
Sample Description:	1st Floor-Room 138/Skim Coa	t Concrete on T	erracotta Wall			•	
	istricor Room rooseiam coa	t donordid on r	orracona rran				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	Positive (Not Analyzed)		
Client Sample ID:	0329BH79A					Lab Sample ID:	041510098-0171
Sample Description:	3rd Floor-Room 4/Concrete W	indow Sill Unde	rlayment				
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	100%	None Detected		
Client Sample ID:	0329BH79B					Lab Sample ID:	041510098-0172
Sample Description:	3rd Floor-Room 4/Concrete W	indow Sill Unde	rlayment				
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%		None Detected	Comment	
		Gray	076	10076	None Detected		
Client Sample ID:	0329BH80A					Lab Sample ID:	041510098-0173
Sample Description:	Exterior Metal Window System	ns-a/w Brick/Ext	erior Window	Glazing Compound	ds		
	A t		A 1	A - b 4			
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%		8% Chrysotile	Comment	
			372	3275	2.0 2.11 300110	Lab Sample ID:	0.41510000 0474
Client Sample ID:	0329BH80B			a		Lau sample IU:	041510098-0174
Sample Description:	Exterior Metal Window System	ns-a/w Brick/Ext	erior Window	Glazing Compound	18		
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	Positive (Not Analyzed)		
Client Sample ID:	0329BH80C					Lab Sample ID:	041510098-0175
Sample Description:	Exterior Metal Window System	ns-a/w Brick/Ext	erior Window	Glazina Compound	ds	-	
•		L Direct Ent					
			A1	-Asbestos			
	Analyzed		Non	-Aspesios			
TEST	Analyzed Date	Color		Non-Fibrous	Asbestos	Comment	



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Client Sample ID:	0329BH81A			ight Microse	-	Lab Sample ID:	041510098-0176
Sample Description:	Exterior Metal Window Syste Compounds	ems-(Crank-Out)	-a/w Exte/Exter	ior Window Glazing]		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	98%	2% Chrysotile		
Client Sample ID:	0329BH81B					Lab Sample ID:	041510098-0177
Sample Description:	Exterior Metal Window Syste Compounds	ems-(Crank-Out)	-a/w Exte/Exter	ior Window Glazing]		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	ositive (Not Analyzed)		
Client Sample ID:	0329BH81C					Lab Sample ID:	041510098-0178
Sample Description:	Exterior Metal Window Syste Compounds	ems-(Crank-Out)	-a/w Exte/Exter	ior Window Glazing)		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	ositive (Not Analyzed)		
Client Sample ID:	0329BH82A					Lab Sample ID:	041510098-0179
Sample Description:	Exterior Metal Window Syste	ems-a/w Brick/Ex	terior Window	Caulking Compoun	ds	-	
	and things by the			sg bompoun	==		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Gray	0%	92%	8% Chrysotile		
Client Sample ID:	0329BH82B					Lab Sample ID:	041510098-0180
Sample Description:	Exterior Metal Window Syste	ems-a/w Brick/Ex	terior Window	Caulking Compoun	ds		
-		_		<u> </u>			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	ositive (Not Analyzed)		
Client Sample ID:	0329BH82C					Lab Sample ID:	041510098-0181
Sample Description:	Exterior Metal Window Syste	ems-a/w Brick/Ex	terior Window	Caulking Compoun	ds		
-		_		<u> </u>			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015			Stop P	ositive (Not Analyzed)		
Client Sample ID:	0329BH83A					Lab Sample ID:	041510098-0182
Sample Description:	Exterior Metal Window Syste Compounds	ems-(Crank-Out)	-a/w Exte/Exter	ior Window Caulkir	ng		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	White	0%	95%	5% Chrysotile		
Client Sample ID:	0329BH83B					Lab Sample ID:	041510098-0183
Sample Description:	Exterior Metal Window Syste Compounds	ems-(Crank-Out)	-a/w Exte/Exter	ior Window Caulkir	ng	•	
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	



Client Sample ID:

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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

Lab Sample ID: 041510098-0184 Client Sample ID: Sample Description: Exterior Metal Window Systems-(Crank-Out)-a/w Exte/Exterior Window Caulking Compounds

Analyzed Non-Asbestos Comment TEST Date Color Fibrous Non-Fibrous Asbestos 4/12/2015 PLM Stop Positive (Not Analyzed)

041510098-0185 Lab Sample ID: Client Sample ID: 0329BH84A

Sample Description: Exterior Door Systems/Exterior Door Caulking Compounds

Non-Asbestos Analyzed TEST Date Color Fibrous Non-Fibrous **Asbestos** Comment PLM 4/12/2015 Gray/Tan/White 92% 8% Chrysotile Lab Sample ID: 0329BH84B 041510098-0186

Sample Description: Exterior Door Systems/Exterior Door Caulking Compounds

Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Color Ashestos PLM 4/12/2015 Stop Positive (Not Analyzed) Client Sample ID: 0329BH84C Lab Sample ID: 041510098-0187

Sample Description: Exterior Door Systems/Exterior Door Caulking Compounds

Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Color Asbestos PLM 4/12/2015 Stop Positive (Not Analyzed)

041510098-0188 0329BH85A Lab Sample ID: Client Sample ID:

Sample Description: Exterior Brick-South/Gray Exterior Remnant Caulking Compound

Non-Ashestos Analyzed Non-Fibrous TEST Date Color **Fibrous** Ashestos Comment PLM 4/12/2015 Gray 0% 100% None Detected TEM Grav. Reduction 4/15/2015 0.0% 100% None Detected Gray

Lab Sample ID: 041510098-0189 Client Sample ID: 0329BH85B

Sample Description: Exterior Brick-Southwest/Gray Exterior Remnant Caulking Compound

Analyzed Non-Asbestos TEST Date Color **Fibrous** Non-Fibrous Asbestos Comment PLM 4/13/2015 Grav 0% 100% None Detected

041510098-0190 Client Sample ID: 0329BH86A Lab Sample ID:

Sample Description: Exterior Window Sill/Black Damp-Proofing under Sill

Analyzed Non-Asbestos TEST Date Color **Fibrous** Non-Fibrous Asbestos Comment PLM 4/12/2015 Black 0% 100% None Detected TEM Grav. Reduction 4/15/2015 Black 0.0% 100% <0.1% Chrysotile

Lab Sample ID: 041510098-0191 Client Sample ID: 0329BH86B

Sample Description: Exterior Window Sill/Black Damp-Proofing under Sill

Analyzed Non-Asbestos **TEST** Date **Fibrous** Non-Fibrous Comment Color **Asbestos** PLM 4/13/2015 Black 0% 100% None Detected



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com EMSL Order ID: Customer ID: Customer PO:

041510098 ENVI54 20141268.A1E

Project ID:

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

Client Sample ID:	0329BH87A					Lab Sample ID:	041510098-0192
Sample Description:	Exterior Lower Concrete Apr	ron/Black Damp-l	Proofing under A	pron			
	Analyzed		Non /	Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Black	0%	100%	None Detected		
TEM Grav. Reduction	4/15/2015	Black	0.0%	100%	None Detected		
Client Sample ID:	0329BH87B					Lab Sample ID:	041510098-0193
Sample Description:	Exterior Lower Concrete Apr	ron/Black Damp-l	Proofing under A	pron		•	
	Existion Edwar Control (1974)	on Black Bamp	rooming under 5	prom			
	Analyzed		Non-A	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Black	0%	100%	None Detected		
Client Sample ID:	0329BH88A					Lab Sample ID:	041510098-0194
Sample Description:	Exterior Window Sill/Concre	te / Limestone Si	11				
	The state of the control of						
	Analyzed		Non-A	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/12/2015	Tan	0%	100%	None Detected		
Client Sample ID:	0329BH88B					Lab Sample ID:	041510098-0195
Sample Description:	Exterior Window Sill/Concre	te / Limestone Si	п			•	
	Exterior window Sill/Concre	te / Limestone 3i	II				
	Analyzed		Non-A	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	4/13/2015	Tan	0%	100%	None Detected		
	 						
Client Sample ID:	0329BH89A					Lab Sample ID:	041510098-0196
•	0329BH89A	oto Aprop				Lab Sample ID:	041510098-0196
•	0329BH89A Exterior Lower Apron/Concre	ete Apron				Lab Sample ID:	041510098-0196
•		ete Apron	Non-/	Asbestos		Lab Sample ID:	041510098-0196
•	Exterior Lower Apron/Concre	ete Apron Color		Asbestos Non-Fibrous	Asbestos	Lab Sample ID: Comment	041510098-0196
Sample Description:	Exterior Lower Apron/Concre	·			Asbestos None Detected	·	041510098-0196
Sample Description: TEST PLM	Exterior Lower Apron/Concre Analyzed Date	Color	Fibrous	Non-Fibrous		·	041510098-0196 041510098-0197
TEST PLM Client Sample ID:	Exterior Lower Apron/Concre Analyzed Date 4/12/2015	Color Gray	Fibrous	Non-Fibrous		Comment	
TEST PLM Client Sample ID:	Exterior Lower Apron/Concre Analyzed Date 4/12/2015	Color Gray	Fibrous	Non-Fibrous		Comment	
TEST PLM Client Sample ID:	Exterior Lower Apron/Concre Analyzed Date 4/12/2015	Color Gray	Fibrous 0%	Non-Fibrous		Comment	
TEST PLM Client Sample ID:	Exterior Lower Apron/Concre Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre	Color Gray	Fibrous 0% Non-A	Non-Fibrous 100%		Comment	
TEST PLM Client Sample ID: Sample Description:	Exterior Lower Apron/Concre Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed	Color Gray ete Apron	Fibrous 0% Non-A	Non-Fibrous 100% Asbestos	None Detected	Comment Lab Sample ID:	
TEST PLM Client Sample ID: Sample Description: TEST	Exterior Lower Apron/Concre Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date	Color Gray ete Apron Color	Fibrous 0% Non-A Fibrous	Non-Fibrous 100% Asbestos Non-Fibrous	None Detected Asbestos	Comment Lab Sample ID:	
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015	Color Gray ete Apron Color Gray	Fibrous 0% Non-A Fibrous	Non-Fibrous 100% Asbestos Non-Fibrous	None Detected Asbestos	Comment Lab Sample ID: Comment	041510098-0197
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015	Color Gray ete Apron Color Gray	Fibrous 0% Non-A Fibrous	Non-Fibrous 100% Asbestos Non-Fibrous	None Detected Asbestos	Comment Lab Sample ID: Comment	041510098-0197
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015	Color Gray ete Apron Color Gray	Fibrous Non-A Fibrous 0%	Non-Fibrous 100% Asbestos Non-Fibrous	None Detected Asbestos	Comment Lab Sample ID: Comment	041510098-0197
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015 0329BH90A Exterior Lower Apron/Concre	Color Gray ete Apron Color Gray	Non-A Fibrous 0%	Non-Fibrous 100% Asbestos Non-Fibrous 100%	None Detected Asbestos	Comment Lab Sample ID: Comment	041510098-0197
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015 0329BH90A Exterior Lower Apron/Concre	Color Gray ete Apron Color Gray ete Apron Grout	Non-A Fibrous 0%	Asbestos 100% Asbestos Non-Fibrous 100%	Asbestos None Detected	Comment Lab Sample ID: Comment Lab Sample ID:	041510098-0197
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015 0329BH90A Exterior Lower Apron/Concre Analyzed Date Analyzed Date Analyzed Date	Color Gray Color Gray ete Apron Grout Color	Non-A Fibrous Non-A Fibrous	Asbestos 100% Asbestos Non-Fibrous Asbestos Non-Fibrous	Asbestos Asbestos Asbestos	Comment Lab Sample ID: Comment Lab Sample ID:	041510098-0197
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Client Sample ID:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015 0329BH90A Exterior Lower Apron/Concre Analyzed Date 4/12/2015	Color Gray Color Gray ete Apron Grout Color Gray Color Gray	Non-A Fibrous Non-A Fibrous	Asbestos 100% Asbestos Non-Fibrous Asbestos Non-Fibrous	Asbestos Asbestos Asbestos	Comment Lab Sample ID: Comment Lab Sample ID:	041510098-0197 041510098-0198
TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015 0329BH90A Exterior Lower Apron/Concre Analyzed Date 4/13/2015	Color Gray Color Gray ete Apron Grout Color Gray Color Gray	Non-A Fibrous Non-A Fibrous	Asbestos 100% Asbestos Non-Fibrous Asbestos Non-Fibrous	Asbestos Asbestos Asbestos	Comment Lab Sample ID: Comment Lab Sample ID:	041510098-0197 041510098-0198
PLM Client Sample ID: Sample Description: TEST PLM Client Sample ID: Sample Description:	Analyzed Date 4/12/2015 0329BH89B Exterior Lower Apron/Concre Analyzed Date 4/13/2015 0329BH90A Exterior Lower Apron/Concre Analyzed Date 4/12/2015	Color Gray Color Gray ete Apron Grout Color Gray Color Gray	Non-A Fibrous Non-A Fibrous Non-A	Asbestos 100% Asbestos Non-Fibrous Asbestos Non-Fibrous	Asbestos Asbestos Asbestos	Comment Lab Sample ID: Comment Lab Sample ID:	041510098-0197 041510098-0198

4/13/2015

Gray

0%

100%

None Detected

PLM

From: GFI FaxMaker To: Kevin McCarthy Page: 41/42 Date: 4/15/2015 9:32:41 AM



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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

	Analyzed		Non	-Asbestos			
Sample Description:	Exterior Stairs/Gray Caulking	on Concrete Ste	eps				
Client Sample ID:	0329BH94B					Lab Sample ID:	041510098-0207
TEM Grav. Reduction	4/15/2015	Gray	0.0%	100%	None Detected		
PLM	4/12/2015	Gray	0%		None Detected		
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
	Analyzed		Non	-Asbestos			
ample Description:	Exterior Stairs/Gray Caulking	on Concrete Ste	eps				
Client Sample ID:	0329BH94A					Lab Sample ID:	041510098-0206
		Olay .	378	10078	140110 Deteoted	lah Sala ID:	044540000 0200
PLM	4/13/2015	Gray	0%		None Detected	Committee	
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
	Exterior Stalls/Exterior Control	no otop Grout					
Client Sample ID: Sample Description:	0329BH93B Exterior Stairs/Exterior Concre	ite Sten Grout				Lab Sample ID:	041510098-0205
		Gray	078	10076	Moue Defected	1 - h C 1- 15	044540000 0005
TEST PLM	Date 4/12/2015	Gray Gray	Fibrous 0%	Non-Fibrous 100%	Asbestos None Detected	Comment	
TEST	Analyzed	Colc-		-Asbestos	Anhestes	Comment	
ample Description:	Exterior Stairs/Exterior Concre	te Step Grout					
Client Sample ID:	0329BH93A					Lab Sample ID:	041510098-0204
PLM	4/13/2015	Gray	0%	100%	None Detected		
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
Sample Description:	Exterior/Exterior Brick Grout						
Client Sample ID:	0329BH92B					Lab Sample ID:	041510098-0203
PLM	4/12/2015	Gray	0%	100%	None Detected		
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
	Analyzed -			-Asbestos		_	
Sample Description:	Exterior/Exterior Brick Grout						
Client Sample ID:	0329BH92A					Lab Sample ID:	041510098-0202
PLM	4/13/2015	Red	0%	100%	None Detected		
TEST	Analyzed Date	Color		-Asbestos Non-Fibrous	Asbestos	Comment	
	Apolyzad		Non	-Asbestos			
Sample Description:	Exterior/Exterior Brick						
Client Sample ID:	0329BH91B					Lab Sample ID:	041510098-0201
PLM	4/12/2015	Red	0%	100%	None Detected		
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
	Analyzed		Non	-Asbestos			
Sample Description:	Exterior/Exterior Brick						
lient Sample ID:	0329BH91A					Lab Sample ID:	041510098-0200
				_			

Fibrous Non-Fibrous

100%

0%

Asbestos

None Detected

Comment

Date

4/13/2015

Color

Gray

TEST

PLM

From: GFI FaxMaker To: Kevin McCarthy Page: 42/42 Date: 4/15/2015 9:32:41 AM



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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:
 0329BH95A
 Lab Sample ID:
 041510098-0208

Sample Description: Exterior Roof System/Cementitious Roof Shingle

Analyzed Non-Asbestos Fibrous Non-Fibrous Comment TEST Date Color Asbestos 0% PLM 4/12/2015 80% Gray 20% Chrysotile 041510098-0209 Lab Sample ID: Client Sample ID: 0329BH95B

Sample Description: Exterior Roof System/Cementitious Roof Shingle

 TEST
 Date
 Color
 Fibrous
 Non-Fibrous
 Asbestos
 Comment

 PLM
 4/12/2015
 Stop Positive (Not Analyzed)
 Lab Sample ID: 041510098-0210

Sample Description: Exterior Roof System/Roof Base Sheet

Analyzed Non-Asbestos TEST Comment Date Fibrous Non-Fibrous Color Ashestos PLM 4/12/2015 Black 60% 40% None Detected 041510098-0211 Client Sample ID: 0329BH96B Lab Sample ID:

Sample Description: Exterior Roof System/Roof Base Sheet

 Analyzed
 Non-Asbestos

 TEST
 Date
 Color
 Fibrous
 Non-Fibrous
 Asbestos
 Comment

 PLM
 4/13/2015
 60%
 40%
 None Detected

Analyst(s):

Adam Gart PLM (21)
Brett Poulton PLM (42)
Joseph Quiles PLM (28)
Kelly Mulholland PLM (57)
Steven Quinn PLM (35)

Ted Young TEM Grav. Reduction (18)

Reviewed and approved by:

Benjamin Ellis, Laboratory Manager or Other Approved Signatory

Me

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

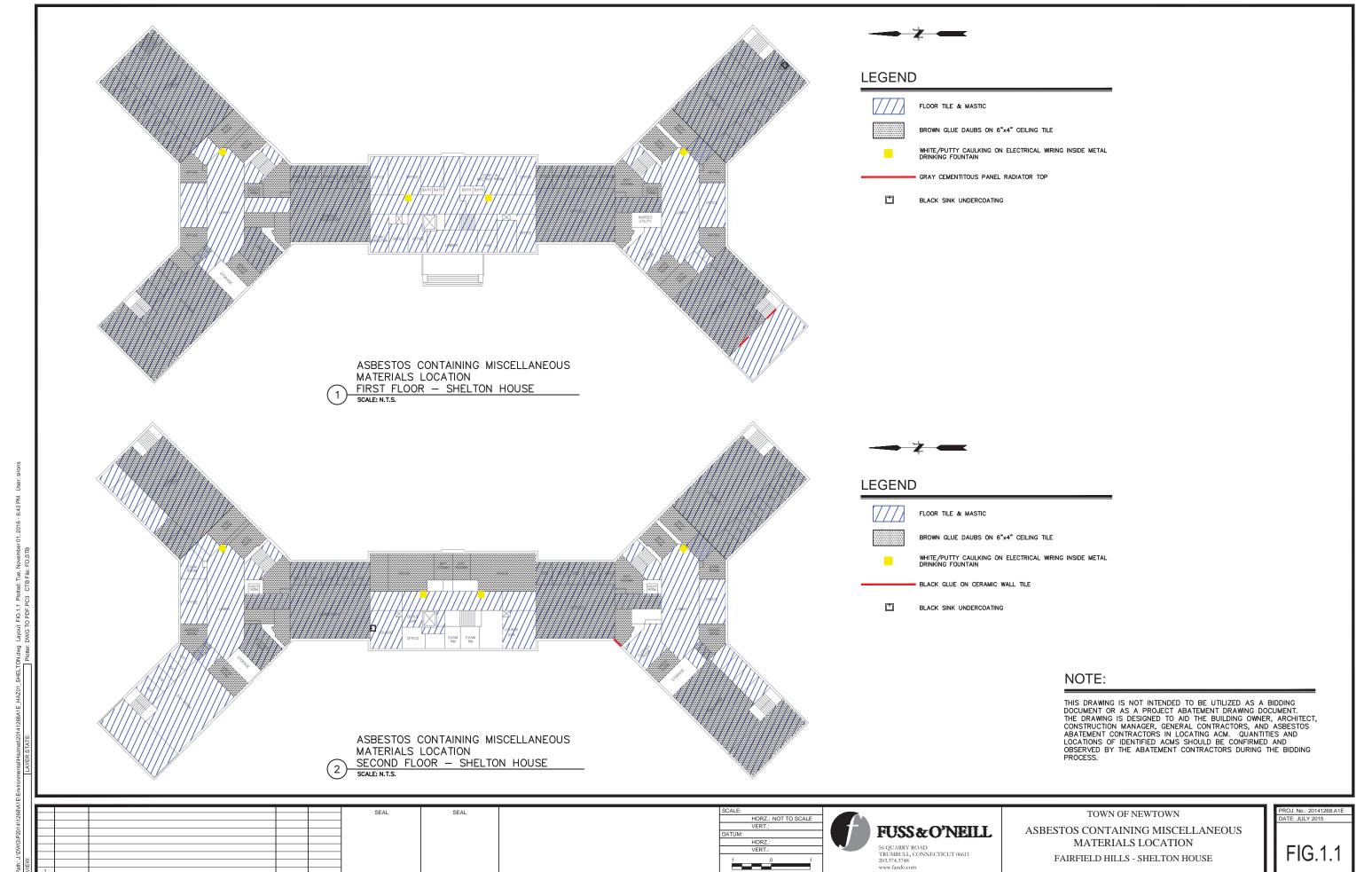
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 04/13/201518:17:37



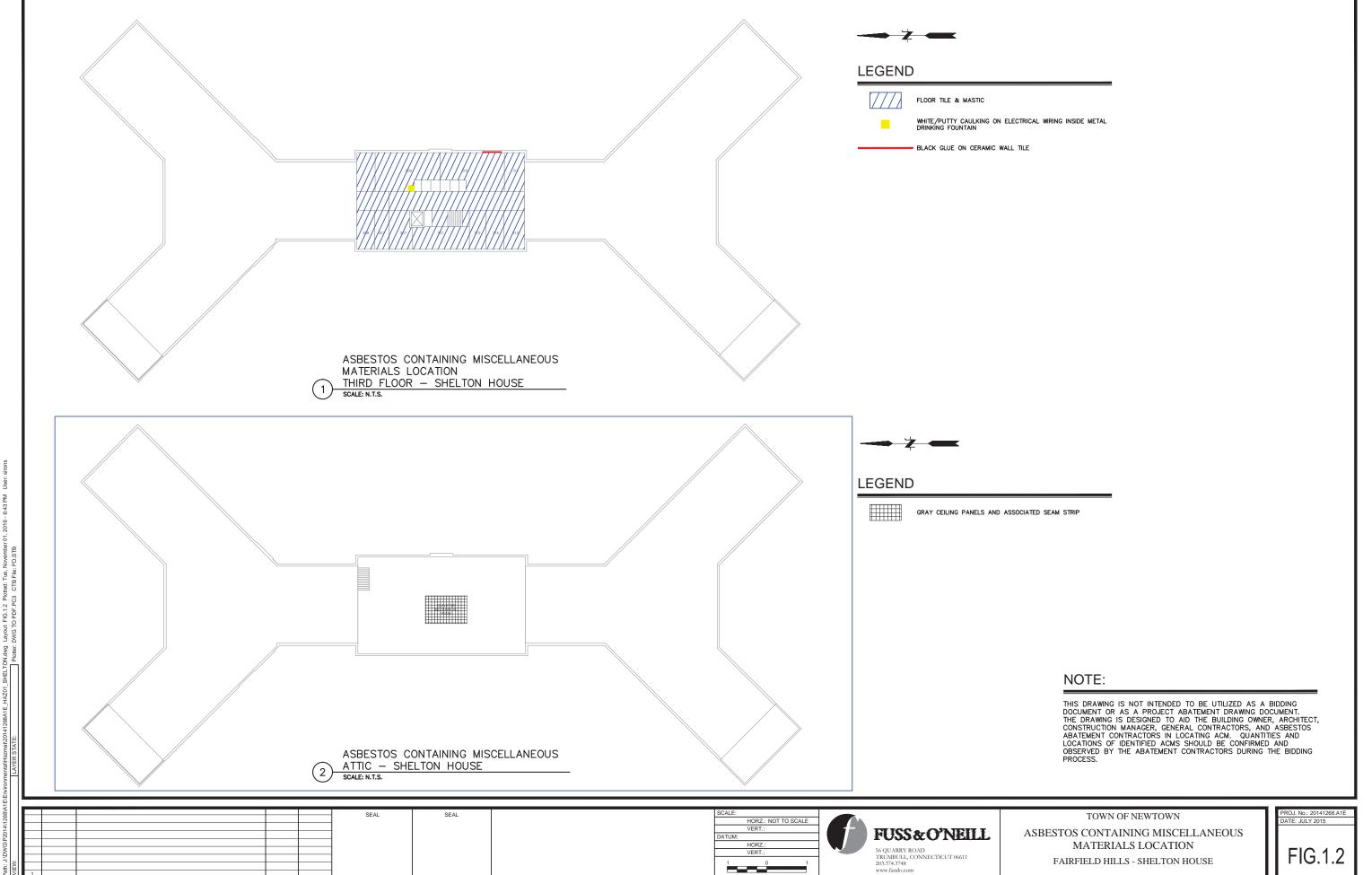
Appendix D

Asbestos-Containing Materials Diagrams



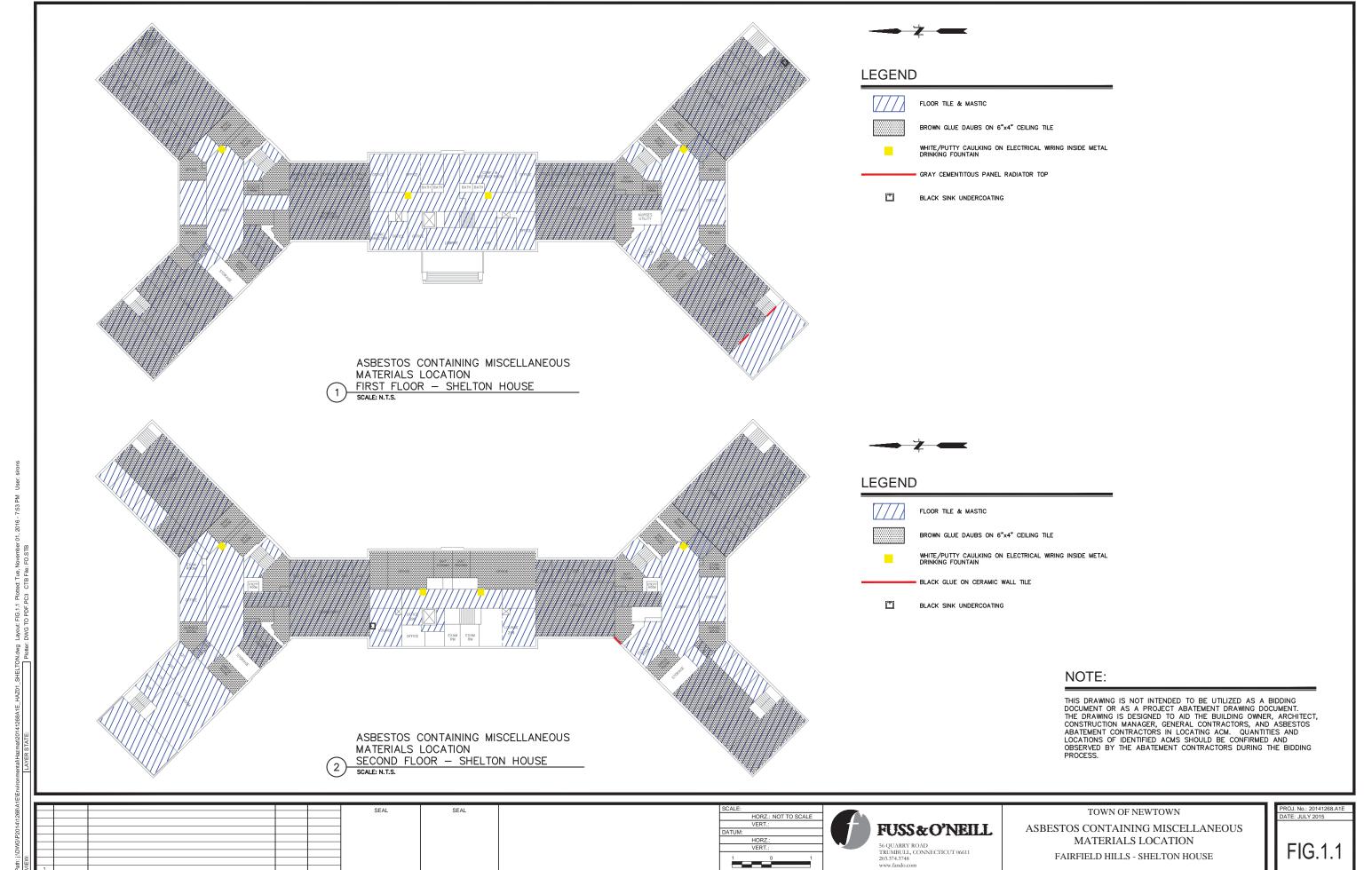
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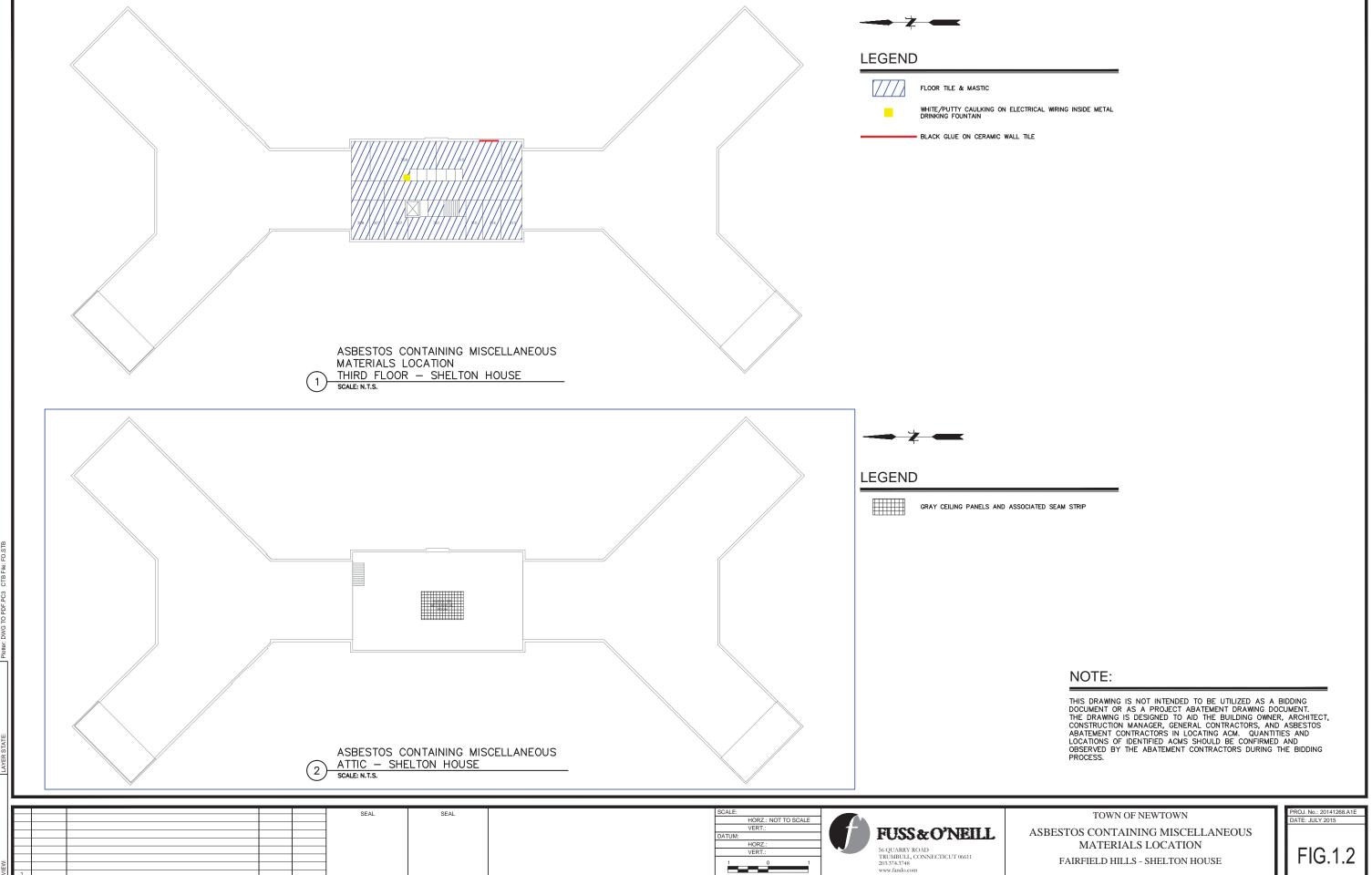


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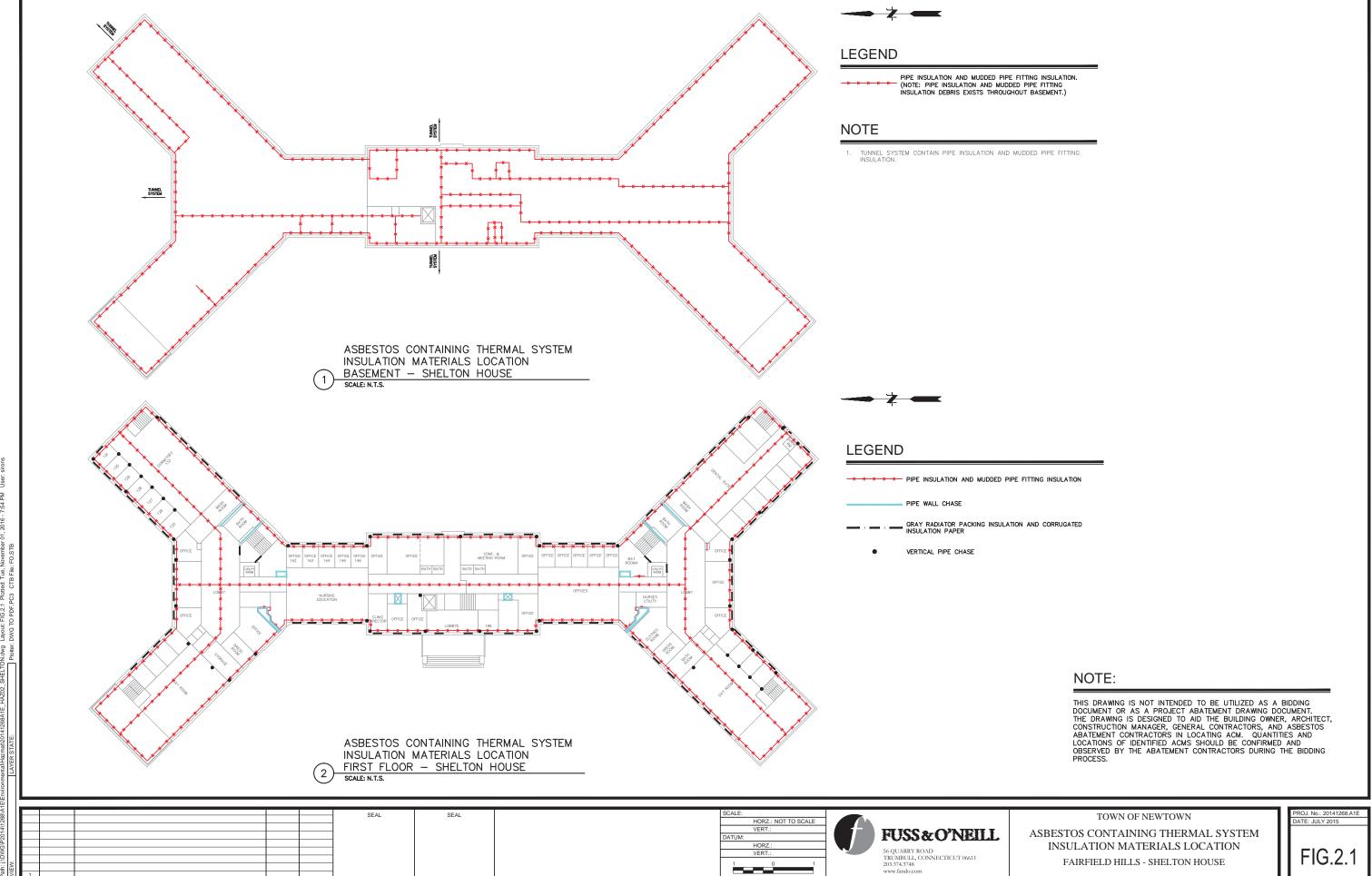
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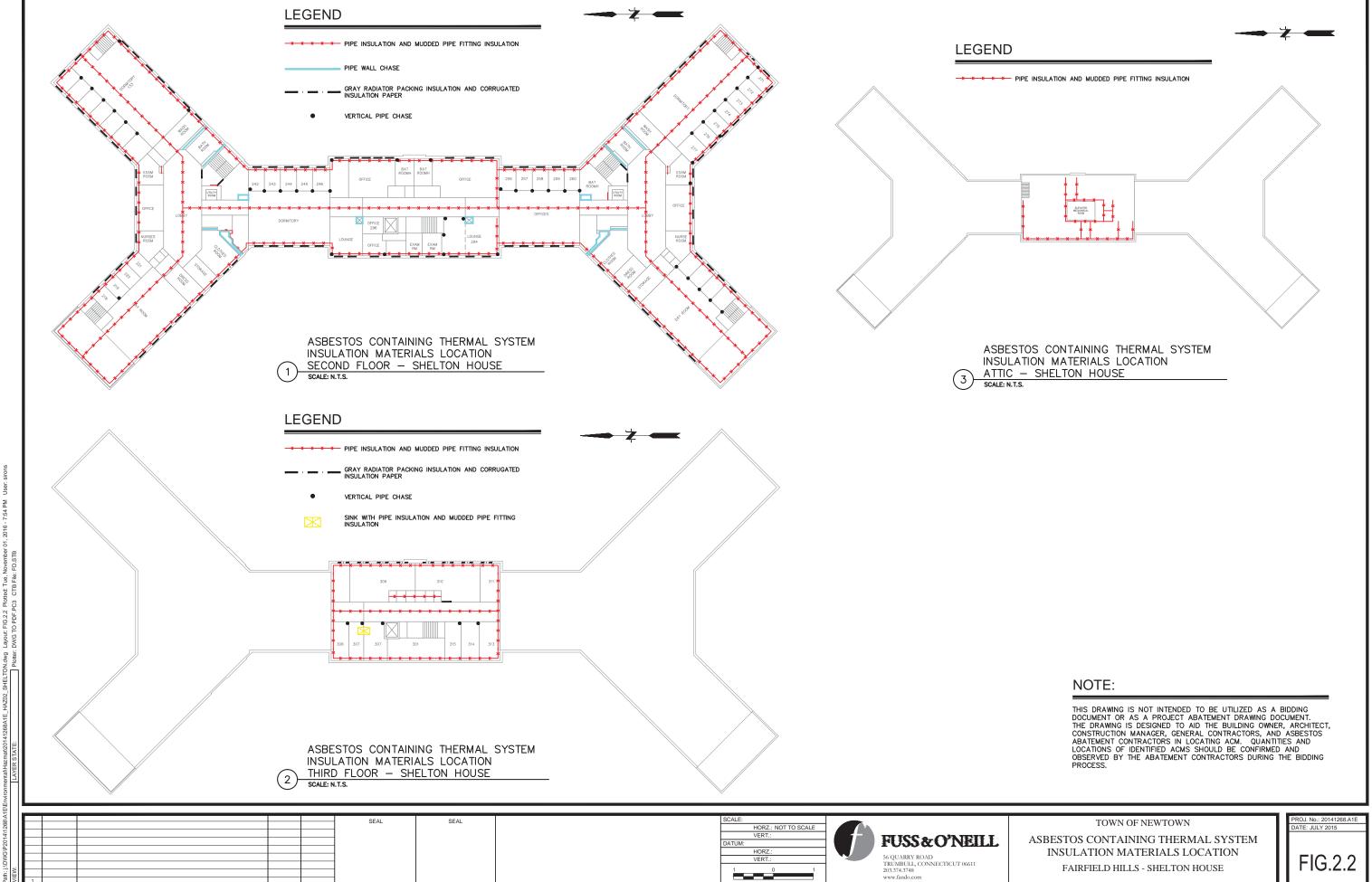
FAIRFIELD HILLS - SHELTON HOUSE

NEWTOWN CONNECTICUT



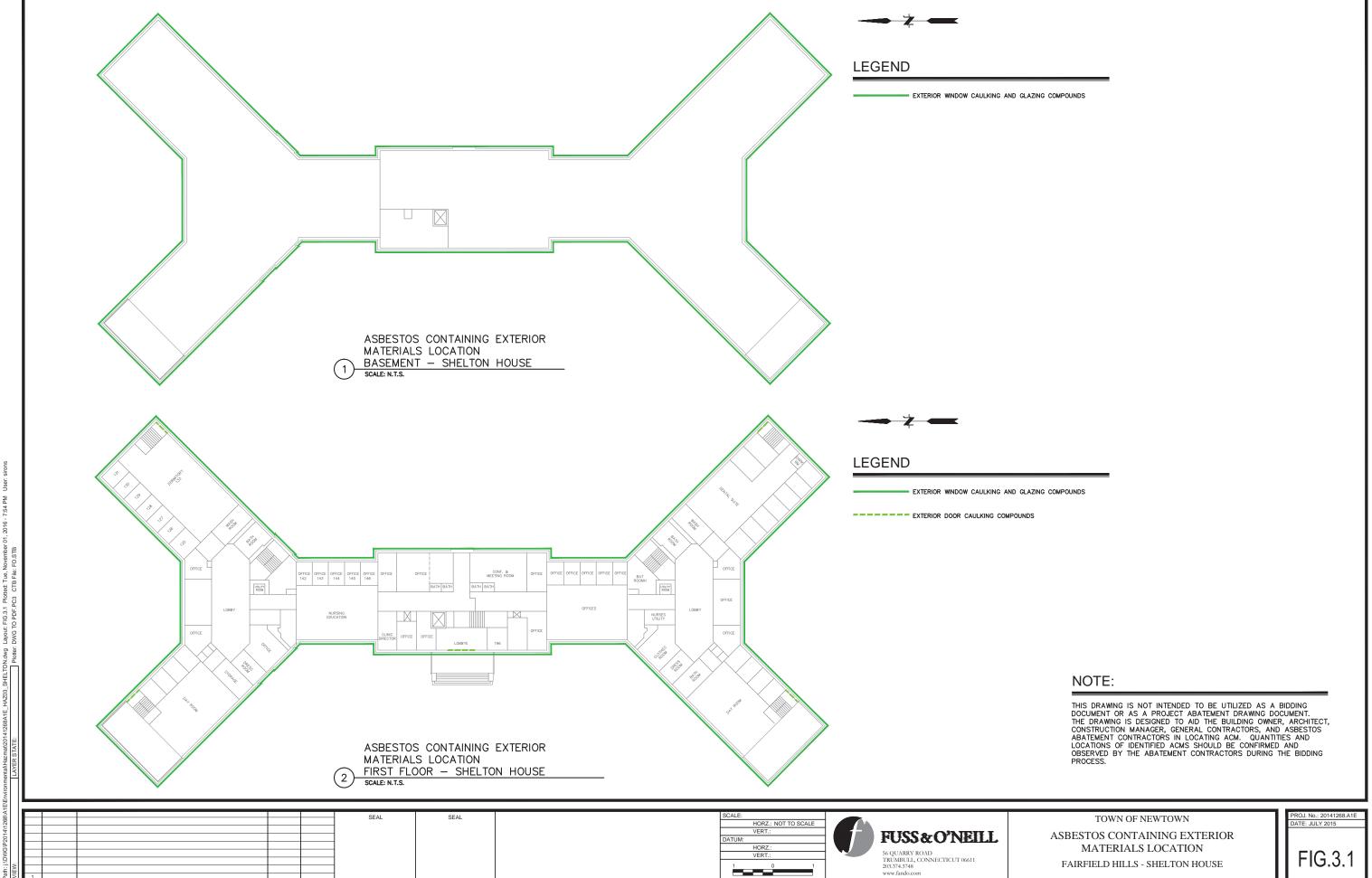
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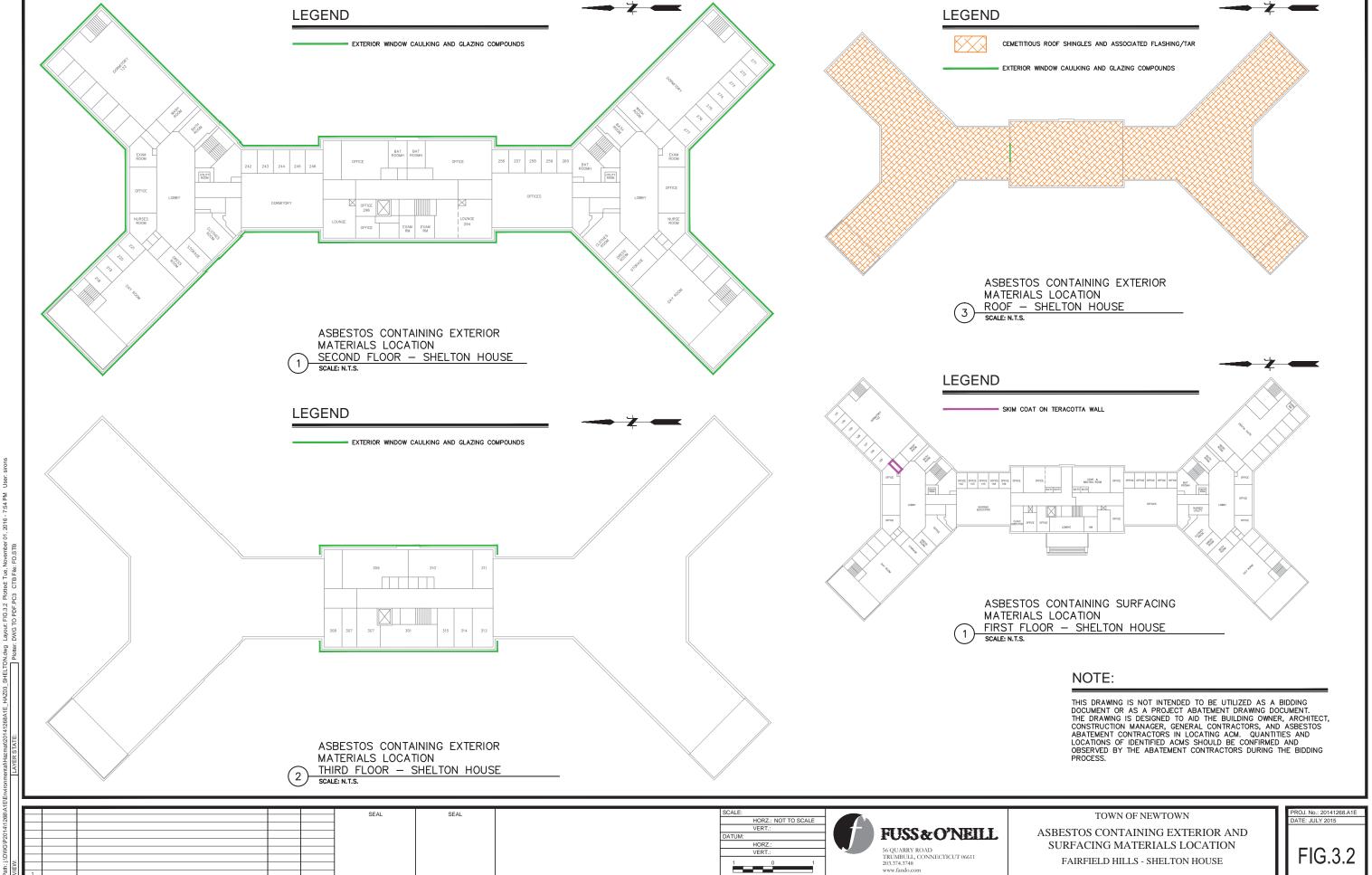
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Appendix E

Lead Paint Field Data Sheets

Average

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0.96

1.13

56 Trumbull Road, Trumbull, CT 06611

Page of T

XRF LEAD SCREENING FIELD DATA SHEET

Tuene stee Nomet	James Blum	Robert Hobbin Inspector License #:	2256	215-6
Tusbector Lames		 ×		

Date: March 31, 2015 XRF Model: LPA - 113 Serial: 3241PL

Project Name: Fair Field Hills Project Number: 2014 1268- AIE

Address: Shelton House Building: Shelton House Project Manager: 1. Melarthy Kenting Forms Ave, Hew town, CT

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

Second Reading

Third Reading

First Check Second Check

Third Check

Fourth Check

bmol

0.9 1310 1.0 1.2 1.0 1-0 1450 1549 1.2 1. (1. (

EXTERIOR

First Reading

Hour

		_ WEITING			T	
Side	Surface/Component	Substrate	Color	XRF Reading	Positive (√)	Comments/Notes
Ą	Dour	W	WHT.	1.3		
	73	W	UHT,	1.3		
_	bT	W	WHT,	1.3	<u></u>	·
A	Window Trim	W	wltT.	0.3		
	Lower involop panel	W	\	2-2		
	Dental mording	W	1	0.5		
۲	Dog Trum	m	· _	-0.(
<u> </u>	Door	اسا	WOT.	-0.(
	DT	V	1	0.3		
<u>ر</u>		h-	<u>~1</u>	7.6		Southerst
_	Entry ceiling support	*	#1h	4.6		
	window	~	WAT	79.9	<u></u>	
	rolumn	3		43	<u> </u>	main Endy - sour
	Does Frame	٧	1	7.8		
"	Hendrail	m	RIK	0.1	15	
c	window panel	~	wht.	0.2		Merideast
	Window Rensal		w 157.	0.3		

^{*} 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

F:\Trumbull Misc\EnviroScience\Lead\Lead Screening Sheet.docx

56 Trumbull Road, Trumbull, CT 06611

Page 2 of 3

XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fair Field Will's ___ Project Number: 2014 1268. A IE

Address: Kanting Farms Ave, Newfour Building: Stelden House Project Manager: K. McCarthy
Interior

	Interval						
Side	Surface/Component	Substrate	Color	XRF Reading	Positive (√)	Comments/Notes	
A	wan	push	・トサイ	0.1		300 1	ru
	window sack	n	. \	0.0		-	٠.
	<,'4	<u></u>		1.3			
	Radiativ	m	7	0.6			
<u>_</u>	window 5'11		+ Lin	1.7			
	Sush			1.3			
	Resultative Conse			<u>5 ه-</u>			
	0001	m	Tan	-0.3		Flour to	
	DT		<u> </u>	-00			
C	cwt	count	Thn	79.9		,	
	KION	ceami	The	~ €.7			
	pT	m	Tan	-0.0	!		
	02	<u> </u>	<u></u>	-0.1			
V	wait	PL.	tan	-0.1			•
	cage		Brown	2.3		middle Starlu	ull
	Pink CNT	ceamic	PINK	4.7		Jus pen	
	Floor	evenie	gray	-0.7			
	windo is sush.	Bown	h	2. صد		So-114 LACST	
	densal	RNN	سا	7.9.2	-		
B	wan	rector	3 Much	६- स	-		
	wall	tan	comic	-au		Southwest som	rout
<u> </u>		Frank m	Brown	-0,U	<u> </u>		
	DT_		1 -	-0.0		1	
	<u>0</u> 5	7	1	10,1			
	Flow	arumit	gray	حی. ده۔			
B	NWM	ceame	Say	79.9			
	Fire Hose Brox	H = P. Sheetrock = S. Concret	red	-0.2		-L	

^{*} 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

56 Trumbull Road, Trumbull, C'I' 06611

Page 3 of 3

XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: Fail field Hills Project Number: 20141268. ALE

Address: Keating From 5 Ave, Building: Stelder Horse Project Manager: K. McCasthy

Hewton 1 ct

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (√)	Comments/Notes
Α	www	PL	gray	0.4		2nd Flow
B	wan	ceamil	Tan/ WHT.	2.6		
	Window stll	m	Tan	-0.3		
	SEST	1	<u></u>	-0.0		
	Radiate love	m	740	00		
	wyk	count	PINK	79.9		womens Burist
ı	Fire hose Box	m	rea	a.3		
	Lockers	m	green	0.4		
	MUN	Ceumic	thin	79.9		4xy cut
A	war	5R	wyt.	-6.1		7
-	Pire	m	tan	ن .هب	ļ	15 TKlown
	PT			4.3		
	05	<u>T</u>	<u> </u>	1.3		
	RISA	m1	Brown	١.ن-		
	struger	1)	-5.4	<u> </u>	
	001/	h	Brank	-0,2		
	92.			0.0	ļ	
	Тс	1.	<u> </u>	0.2		
	window 5711	~	3-4~	1,3		
	sush	hn	74h	7.3		
•	handow sill	<u>س</u>	Brown	1.3		North Like ST
	545 h	m		79-9		
	Rental molding		ì	79.9	سا	
	way	BIM	WHT.	0.1	,	
	ladiator love	m	Brown	1.3	<u> </u>	
	hayeror	m	Blue	4.6		
	Lockers	m	RIK	-0.2		

^{*} 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



Appendix F

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



Friday, October 14, 2016

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

Project ID: FAIRFIELD HILLS-SHELTON HOUSE

Sample ID#s: BV42037 - BV42039

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

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

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

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

Sincerely yours,

Phyllis/Shiller

Laboratory Director

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



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

Analysis Report

October 14, 2016

FOR: Attn: Helen Rimsa

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information **Custody Information Date** <u>Time</u> **SOLID** Collected by: BH 10/06/16 10:00 Matrix: F&OENVIR Received by: SW Location Code: 10/07/16 16:33

Rush Request: Standard Analyzed by: see "By" below

P.O.#: 20141268A1E

<u>aboratory Data</u> SDG ID: GBV42037

Phoenix ID: BV42037

Project ID: FAIRFIELD HILLS-SHELTON HOUSE Client ID: 20161006BH SHELTON ENTIRE BLD

RL/

Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	10/12/16	EK	SW6010C
TCLP Metals Digestion	Completed				10/10/16	EW/W	SW3005A
TCLP Extraction for Metals	Completed				10/07/16	EW	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

October 14, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Page 1 of 3 Ver 1



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

Analysis Report

October 14, 2016

FOR: Attn: Helen Rimsa

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information **Custody Information** <u>Date</u> Time **SOLID** Collected by: BH 10/06/16 11:00 Matrix: F&OENVIR Received by: SW Location Code: 10/07/16 16:33

Rush Request: Standard Analyzed by: see "By" below

P.O.#: 20141268A1E

_aboratory Data SDG ID: GBV42037

Phoenix ID: BV42038

Project ID: FAIRFIELD HILLS-SHELTON HOUSE
Client ID: SHELTON ENTIRE BLD & FOUNDATION

RL/

Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	10/12/16	EK	SW6010C
TCLP Metals Digestion	Completed				10/10/16	EW/W	SW3005A
TCLP Extraction for Metals	Completed				10/07/16	EW	SW1311

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

Comments:

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Phyllis Shiller, Laboratory Director

October 14, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Page 2 of 3 Ver 1



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

Analysis Report

October 14, 2016

FOR: Attn: Helen Rimsa

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information **Custody Information Date** <u>Time</u> **SOLID** Collected by: BH 10/06/16 12:00 Matrix: F&OENVIR Received by: SW Location Code: 10/07/16 16:33

Rush Request: Standard Analyzed by: see "By" below

P.O.#: 20141268A1E

Laboratory Data SDG ID: GBV42037

Phoenix ID: BV42039

Project ID: FAIRFIELD HILLS-SHELTON HOUSE

Client ID: SHELTON ACM

RL/

Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	10/12/16	EK	SW6010C
TCLP Metals Digestion	Completed				10/10/16	EW/W	SW3005A
TCLP Extraction for Metals	Completed				10/07/16	EW	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

October 14, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Page 3 of 3 Ver 1



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

QA/QC Report

October 14, 2016

QA/QC Data

SDG I.D.: GBV42037

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 362160 (mg/L),	QC Samp	ole No:	BV40781	(BV420	37, BV4	12038,	BV4203	9)						
ICP Metals - TCLP Extra	action a													
Lead	BRL	0.10	<0.10	< 0.10	NC	111			101			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

October 14, 2016

of 1
Page 1

Analysis Units

Sample Criteria Exceedences Report

GBV42037 - FOENVIR

RL Criteria Criteria 귐 Result Criteria Phoenix Analyte Acode State: CT SampNo

Friday, October 14, 2016

Criteria: None

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.

^{***} No Data to Display ***



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-SHELTON HOUSE Project Number:

Laboratory Sample ID(s): BV42037-BV42039 Sampling Date(s): 10/6/2016

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?	✓ Yes □ No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes □ 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)	☐ Yes ☐ No ☑ NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	✓ Yes □ No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	✓ Yes □ No □ NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	✓ Yes □ No
5	a) Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes 🗹 No
	b) Were these reporting limits met?	✓ Yes □ 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?	☐ Yes 🗹 No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes 🗹 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: Project Manager Position: Project Manager
Printed Name: Ethan Lee Date: Friday, October 14, 2016
Name of Laboratory Phoenix Environmental Labs, Inc.

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



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



RCP Certification Report

October 14, 2016 SDG I.D.: GBV42037

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 10/12/16 08:05

Emily Kolominskaya, Chemist 10/12/16

BV42037, BV42038, BV42039

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 362160 (BV40781)

BV42037, BV42038, BV42039

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

Temperature Narration

The samples were received at 3C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



Other 200	Fundamental State of the State	C 72-Hour (days) C frandayl (days) Sucharge Applies	LABORATORY Ohogauk	Containers	**************************************	Manual Company	30 6 3 6 6 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5	Sound Sound	2 Alexandra Alex			850ch	950eh			
 78 Interstate Drive, West Springfield, MA 01089 Flat Iron Horse Way, Suite 204, Providence, RI 02908 Washington Street, Suite 301, Poughkeepsie, NY 		0 24 Hour*	PROJECT NUMBER						20 NOV 162							
78 Interstate Drive 1317 Iron Horse Wi 90 Washington Str	1	36650	T) Rojaka	Analysis	Request		(Pos	De) c		,				
inchester, CT 06040 bull, CT 06611 Jolumbia, SC 29201	() () ()	KECOKD	PROJECT LOCATION Keating Farms Rd. Nowtown	-		Date: 10-6-16	S–Soil B–Sediment C=Concrete		ve Date Time le Sampled Sampled	0001 91-9-01		1100	0021			_
□ 146 Hartford Road, Manchester, CT 06000 通る Quarry Road, Trimbull, CT 06611 □ 1419 Richland Street, Columbia, SC 29201		CHAIN-OF-CUSTODY RECORD		Red Geld o		!	T=Treatment Facility S= W=Waste A=Air C		Source Code	1. BW.	Bld	+ foundation	<u> </u>	:		
FUSS & O'NEILL (861) 646-2469 • www.landO.com	, ,	HAIN-OF	PROJECT NAME	REPORT TO: Holen Rimsa / K. Red Field	owens 1268.415	Sampler's Signancie K. Haffuri	PW=Potable Water ST=Stormwater	(lead)	8 Sample Number	Shelton-Entire-Bld.	Stelton-Entire Bld	+	Shelfon - ACM			
FUSS			PROJECT NAME	REPORT TO: e e	INVOICE TO: S. OWENS P.O. NO: 20141268, 415	Sampler's Signature:	Source Codes: MW=Monitoring Well SW=Surface Water	N-Other TCLP (1ead)	Item Transfer Check		2.		3 /			
			, ,,	1	_ =		41 M O:	~	l .					I .		_

tenpt □QA/QC tesBlanks (Item	1 425,0 S If 225,0 Reporting and Detection Limit Requirements: DRCP Deliverables DMCP CAM Core.	F to F Kenn Pleas 15-7/18 11:55	and Regge of Ash Land 10 7.16 11. Carational Comments:	23/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/
	CA 11 5	7077	Kenn Pres	Massel .
Transfer Number	1	2	3	4

Shelton Building Asbestos Waste Stream
Calculations for Preparing Waste Stream TCLP Sample

					paring Waste						1	
Building Component	Thickness	Area	Length	Number	Weight	Weight	Weight	Weight	Total Weight (lbs.)	% of Waste	Grams to Yield 105 g.	Notes
	(feet)	(sq. ft.)	(ft.)	Units		(lbs./ cu. ft.)	(lbs./ft.)	Each (lbs.)	(of component)	Stream Weight	proportionate sample	_
Vinyl Floor Tile	0.0156	60,158			1.6				96,253	17.922%	18.818	1
6"x4" Gray Ceiling Tile		16000			5.4				86,400	16.087%	16.892	2
Roof Flashing	0.0333	5160				75			12,887	2.400%	2.520	3
Asbestos Transite Shingles		34800			7.73				269,004	50.088%	52.592	4
Asphalt Shingles					3				0	0.000%	0.000	7
Plywood Roof Deck (3/8-inch)					1.2				0	0.000%	0.000	7
Wood Siding-Pine 3/4-inch					3.2				0	0.000%	0.000	7
Wood Flooring (2-inch pine)					8.5				0	0.000%	0.000	7
Total Window Glazing	0.0417		19092				0.35		6,682	1.244%	1.306	5
Total Window Sash (metal)			7628				1.44		10,984	2.045%	2.148	18
Total Window Sash (wood)							0.1		0	0.000%	0.000	18
Total Window Frame (metal)			3836				7.32		28,080	5.228%	5.490	18
Total Window Glass		4248			2.5				10,620	1.977%	2.076	7
Exterior Door Caulking	0.0417		108				0.35		38	0.007%	0.007	5
Ceramic wall tile		278			2.3				639	0.119%	0.125	6
Carpet		320			1				320	0.060%	0.063	11
Gray Radiator Insulation				154				5	770	0.143%	0.151	12
Gray Attic Wall Board Panel		100			4				400	0.074%	0.078	7
Pipe insulation 2" Pipe			4238				1.962		8,315	1.548%	1.626	8
Pipe insulation 6" Pipe			1000				5.0994		5,099	0.949%	0.997	8
Sink				1				150	150	0.028%	0.029	12
Transite radiator top		15			4				60	0.011%	0.012	7
Skim Coat Concrete on Wall	0.0365	100				100			365	0.068%	0.071	9
Structural Terracotta Block ((12"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
Drywall					2				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 (Three Floors)						144			0	0.000%	0.000	17
Concrete Beams (Three 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
Cinder Block					55				0	0.000%	0.000	7
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
1'x1' Ceiling Tiles					1.2				0	0.000%	0.000	7
Roof Wood Deck-Pine 3/4-inch					3.2				0	0.000%	0.000	7
Roof Base Sheet-Tar Paper					0.35				0	0.000%	0.000	7
Wood: Roof Beams (2x11 16" on center)					3.2				0	0.000%	0.000	7,13
LBP Yellow Brick Wall (one course)					40				0	0.000%	0.000	7,13
LBP Pink Ceramic Block Wall					55				0	0.000%	0.000	12
LBP Pink/ Gray/ yellow Ceramic Wall Tile					3.1				0	0.000%	0.000	7
LBP White Wood (Windows Trims) (1.5x0.5)					3.1		0.17		0	0.000%	0.000	14
LBP Wood (Windows Tillis) (1.5x0.5)							0.17		0	0.000%	0.000	14
LBP Wood (Windows Sills)(5x0.75) LBP White Lower Wood (Windows Panels)(1" panels)					2.67		0.83		0	0.000%	0.000	14
					2.67		0.67		0			
Sunroom Wood Dental Molding					1	22	0.67			0.000%	0.000	14
LBP South Side Main Entry White Wood Columns					1	32		101.4	0	0.000%	0.000	14
LBP White Wood (Door) 8 exterior doors					1	41		191.4	0	0.000%	0.000	15
Wood Doors 182 unpainted interior doors		-	-	-			-	191.4	0	0.000%	0.000	15
Metal Doors 23 interior painted doors								210	0	0.000%	0.000	16
LBP White Wood (Door Trims)							0.17		0	0.000%	0.000	14
LBP White Wood (Door Jambs)(5"x1")							1.1		0	0.000%	0.000	14
Decorative Non-painted Wood						32			0	0.000%	0.000	14
									0	0.000%	0.000	-
					1				0	0.000%	0.000	
						T/	atal Marta St	eam Weight:	537,066	100%	105	1

- 1) Weight of tile taken from current manufacturers data for similar thickness vinyl tile

- 1) Weight of the 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 wife 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 oak wood
 16) Weight estimated assuming steel door with interior insultation
 17) Weight per cu. ft. from standard reference assuming stone and sand aggregate
- 18) Weight per foot calculated assuming standard steel



Appendix G

Site Photographs





ACM Ceiling Panels, Attic Mechanical Room



6" x 4" Ceiling Tile with ACM Brown Glue Daubs



ACM Thermal System Insulation Debris



ACM Corrugated Paper behind Metal Radiator
Panel



ACM Black Adhesive behind Ceramic Wall Tile



ACM Packing Insulation around Radiator





ACM Pipe and Pipe Fitting Insulations in Wall



Concealed ACM Pipe Insulation in Vertical Pipe Chase



Cementitious Panel Radiator Cover



ACM Pipe and Mudded Pipe Fitting Insulations in Basement



ACM Pipe Insulation in Concealed Horizontal Ceiling Pipe Chase



ACM Thermal System Insulation Debris on Basement Floor





Concealed ACM Pipe Insulation in Bathroom Wall



Wall Chase with ACM Pipe Insulation



Exterior Window Systems with ACM Window Glazing Compounds



Exterior Window Systems with ACM Window Glazing Compounds



ACM White Caulking Compounds on Drinking Fountain Electrical Wiring



Appendix H

Opinion of Abatement and Demolition Cost

			T	T	1				
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· ·			sts	ے	· ·		Ŏ,	es	
· ·			ပိ	S ec	S ros	afo _l	rage Item	ton	s s
· ·			AAIS	BesTe Costs	HazPro Costs	Manafort Costs	Aver Per I	Shelton Quantiti	Shelton Costs
Building Square Footoge	00.000	<u> </u>	₹	мď	ΪÖ	Σŏ	ĄΔ	<u> </u>	ช 0
	89,000	l lmita		0014	MODITY A	ID/OD OFF	"050 A0D50T	OO DEMOVAL	
	DAS Item Number	Units		T	T	<u> </u>	/ICES ASBEST		
	AR-001	SF	\$0.24	0.20	\$0.15	\$0.50	\$0.27	82,000	\$22,345
CLEAN-UP OF ACM DEBRIS	NO DAS NUMBER	LS	\$0.24	0.20	\$0.15	\$0.50			\$60,000
· ·	AR-002/AR-003/AR-003								
REMOVAL OF PIPE INSULATION AND MUDDED FITTING INSULATION	(average)	LF	\$2.17	2.60	\$2.50	\$3.00	\$2.57	5,000	\$12,838
SELECTIVE DEMOLITION TO ACCESS PIPE INSULATION ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	20,000	\$22,000
REMOVAL OF RESILIENT FLOORING INCLUDING MASTIC	AR-011	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	60,158	\$66,174
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	6,016	\$6,618
REMOVAL OF SOFT PLASTER CEILING SYSTEM	AR-014	SF	\$2.17	2.60	\$2.50	\$4.00	\$2.60		\$0
REMOVAL OF WHITE TANK INSULATIONS	AR-008	SF	\$2.89	3.75	\$3.50	\$5.00	\$3.79		\$0
	AR-009	SF	\$2.89	3.75	\$3.50	\$5.00	\$3.79		\$C
	AR-010	SF	\$2.17	2.75	\$2.50	\$4.00	\$2.86		\$0
	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		\$0
						1	-		
	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00	+ +	\$0
	AR-015	SF	\$1.45	1.80	\$1.50	\$2.75	\$1.88	+	\$0
	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	 	\$0
	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45	ļ	\$0
	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45	16,000	\$23,200
REMOVAL OF BULLETIN BOARD GLUE DAUBS	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45		\$0
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	89	\$176
	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10		\$0
	AR-027	SF	\$0.97	0.97	\$1.00	\$1.85	\$1.00	421,000	\$421,000
	NO DAS NUMBER	EACH	\$125.00	125.00	\$125.00	\$125.00	\$125.00	3	\$375
	NO DAS NUMBER	I F	\$10.00	10.00	\$10.00	\$10.00	\$10.00		\$0
	NO DAS NUMBER	EACH			\$300.00	\$300.00	\$300.00		\$0 \$0
			\$300.00	300.00		1	•	1	
	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00	000	\$0
	NO DAS NUMBER	EACH			\$100.00		\$150.00	200	\$30,000
	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	200	\$3,000
	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		\$0
	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		\$0
REMOVAL OF GRAY CEMENTITIOUS RADIATOR TOP	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00	15	\$1,500
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	10	\$1,000
REMOVAL OF SINK UNDERCOATING	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00	2	\$500
REMOVAL OF ELEVATOR BRAKE PADS	NO DAS NUMBER	LS							\$1,300
REMOVAL OF BLACK GLUE ON CERAMIC WALL TILE	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	278	\$4,170
REMOVAL OF SKIM COAT CONCRETE ON TERRACOTTA WALL	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	89	\$1,335
	NO DAS NUMBER	CY	Ţ		* * * * * * * * * * * * * * * * * * *	¥10100	\$50.00	-	\$0
	NO DAS NUMBER	EACH	\$300.00	300.00	\$300.00	\$300.00	\$300.00	320	\$96,000
	EF-2	ESC	15%	15%	15%	15%	15%	\$ 48,000	\$7,200
	EF-8	ESC	30%	30%	30%	30%	30%	\$ 96,000	\$28,800
	NO DAS NUMBER	LS	30 /0	30 /0	JU /0	JU /0	30 /0	Ψ 30,000	\$20,000
			045.00	45.00	045.00	045.00	045.00	+ +	φ12,000
	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	+	
	NO DAS NUMBER	ESC	30%	30%	30%	30%	30%	-	
	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00	ļ	
	EF-8	ESC	30%	30%	30%	30%	30%	\vdash	
REMOVAL OF DAMPPROOFING/TAR ON LIMESTONE TRIMS AND FOUNDATION	ĺ	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
		-1							
	EF-2	ESC	15%	15%	15%	15%	15%		\$0
WORK SURFACES OVER 20' HIGH LIMESTONE TRIMS AND FOUNDATION	EF-2 EF-8	ESC ESC	15% 30%	15% 30%	15% 30%	15% 30%	15% 30%		\$0 \$0

				1	1			1	
			AAIS Costs	BesTech Costs	HazPros Costs	Manafort Costs	Average Cost Per Item	Shelton Quantities	Shelton Costs
Building Square Footage	89,000								
EXTERIOR WORK (ASSOCIATED WITH VENT CAULKING COMPOUNDS ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%		
EXTERIOR BUILDING AND CHIMNEY CAULKING COMPOUNDS	NO DAS NUMBER	LF	\$150.00	150.00	\$150.00	\$150.00	\$15.00		\$0
EXTERIOR ROOF COPING STONE SEAM CAULKING COMPOUNDS	NO DAS NUMBER	LF	\$10.00	10.00	\$10.00	\$10.00	\$15.00		\$0
WORK SURFACES OVER 20' HIGH (ASSOCIATED WITH COPING STONE ABOVE)	EF-2	ESC	15%	15%	15%	15%	15%		
EXTERIOR WORK (ASSOCIATED WITH COPING STONE ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%		
REMOVAL OF EXTERIOR DOOR CAULKING COMPOUNDS	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00	8	\$2,000
EXTERIOR WORK (ASSOCIATED WITH DOORS ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%	8	\$2
REMOVAL OF ROOFING TRANSITE MATERIAL	AR-020	SF	\$0.72	0.90	\$0.85	\$2.00	\$1.12	31,200	\$34,866
REMOVAL OF ROOFING PAPERS AND FELTS	AR-020	SF	\$0.72	0.90	\$0.85	\$2.00	\$1.12	31,200	\$34,866
REMOVAL OF ROOFING OR ROOF FLASHING MATERIAL SF \$1.01	AR-021	ESC	\$1.01	1.30	\$1.25	\$3.00	\$1.30	4,000	\$5,200
REMOVAL OF PERIMETER AND PENETRATION FLASHING MATERIALS	AR-021	ESC	\$1.01	1.30	\$1.25	\$3.00	\$1.30		
WORK SURFACES OVER 20' HIGH (ASSOCIATED WITH ROOF FIELD + ROOF FLASHINGNG ABOVE) (10% OF ABOVE)	EF-2	ESC	15%	15%	15%	15%	15%	\$ 34,866	\$5,230
EXTERIOR WORK (ASSOCIATED WITH ROOF FIELD + ROOF FLASHING ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%	\$ 34,866	\$10,460
ASBESTOS REMOVAL SUB	BTOTAL						\$3,224.30		\$914,154
MISCELLANEOUS ITEMS			<u>,</u>	<u>, </u>	<u> </u>	<u>, </u>			
MOBILIZATION (1 PER WORK AREA)	MI-001	EACH	\$250.00	250.00	\$240.00	\$450.00	\$297.50	6	\$1,785
WORKER DECON (1 PER WORK AREA)	MI-002	EACH	\$250.00	250.00	\$240.00	\$325.00	\$266.25	14	\$3,728
TEMP ELECTRICAL CONNECTION (LICENSED ELECTRICIAN) (COST + 10%)	MI-005	EACH	\$250.00	750.00	\$275.00	\$275.00	\$387.50	14	\$5,425
TEMP ELECTRICAL GENERATOR AND FUEL (COST + 10%)	MI-006	DAYS	\$20.00	640.00	\$363.00	\$363.00	\$346.50	125	\$43,313
DISPOSAL OF ACM WASTE (INCLUDES TRANSPORTATION) (COST + 10%)	MI-007	CY	\$55.00	60.00	\$55.00	\$57.00	\$56.75	1,000	\$56,750
DISPOSAL OF CONSTRUCTION DEBRIS (INCLUDES TRANSPORTATION) COST+10%	MI-009	CY	\$25.00	30.00	\$25.00	\$27.00	\$40.00	400	\$16,000
PROJECT NOTIFIACTION FEES (COST + 10%)	MI-015	LS	\$5,500.00	1		\$5,500.00	\$5,500	1	\$5,500
MISCELLANEOUS SUB			, ,			, ,	• •		\$132,500
PCB REMEDIATION CT DEEP PCB				<u> </u>	<u> </u>			<u> </u>	. ,
EXTERIOR ROOF COPING STONE SEAM CAULKING COMPOUNDS	NO DAS NUMBER	SF	35	35	35	35	35		
WORK SURFACES OVER 20' HIGH (ASSOCIATED WITH COPING STONE ABOVE)	EF-2	ESC	15%	15%	15%	15%	15%		
EXTERIOR WORK (ASSOCIATED WITH COPING STONE ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%		
PCB REMEDIATION CT DEEP PCB WASTE SUB									
DEMOLITION									
BUILDING DEMOLITION INCLUDING BACKFILL	NO DAS NUMBER	LS							\$600,000
RESURFACE AREA WITH RYE GRASS SEED & TOP DRESS	NO DAS NUMBER	SF					\$0.20	35,000	\$7,000
SITE SECURITY FENCING (4)	NO DAS NUMBER	LS					\$11.00	1,200	\$13,200
BALLAST, MERCURY-CONTAINING DEVICES & OTHER BUILDING WASTE CONTAINERIZATION, TRANSPORTATION, AND DISPOSAL	NO DAS NUMBER	LS					ψσ	1,200	\$8,000
DEMOLITION SUB									\$628,200
CONTINGENCY ALLOWANCES	S (5%)		<u>,</u>	<u>, </u>	<u> </u>	<u>, </u>			
Contingency Allowance (5%)		LS							\$ 83,743
			•		•				
ABATEMENT MONITORING CO	COST								
	COST	LS							\$45,708
ABATEMENT MONITORING CO	COST	LS LS							\$45,708 \$4,000
ABATEMENT MONITORING ESTIMATE (5% OF ABATEMENT COSTS) ABATEMENT MONITORING ESTIMATE (5% OF ABATEMENT COSTS)	COST								\$45,708 \$4,000 \$49,708